



Fuzhou LCA Electronic Technology Co.,Ltd

福州欣翔威电子科技有限公司



ultra high
voltage ceramic
capacitors

Resin
Sealed Bolt-in
Filters

Obbligato
Premium Audio
Capacitors

Miniature
RF Filters

Hermetically
Sealed
Filters

Filtered
Arrays

EMI
feedthrough
filters

Feedthrough Capacitor Filters Technology Leader

Fuzhou LCA Electronic Technology Co., Ltd. (Also call Fuzhou XinXiangWei Electronic Technology Co., Ltd.) is a high-tech enterprise specializing in the development and production of filters such as feedthrough capacitor filters, miniature RF filters, and ultrahigh voltage ceramic capacitors.

Since its establishment, the company has been committed to the production and research and development of various EMI filters. The company's own factory covers an area of 2,000 square meters. It has obtained a number of independent intellectual property rights recognized and issued by the state, and has successfully passed the national high-tech enterprise certification many times.

The company strictly implements the ISO9001:2015 quality management system. The "LCA" brand created by the company has won a good reputation among the customer base for its reliable quality, excellent service and reasonable price, and obtained three stars brand certification in 2018.

The company has successfully developed and produced tubular ceramic capacitors, solder-in filters, threaded feedthrough capacitors, obligato premium audio capacitors, discoidal capacitors, EMI feedthrough filters, ultra-high voltage ceramic capacitors, filtered arrays, miniature RF filters, hermetically sealed filters and other filter products. These products are widely used in defense communications, aerospace, medical equipment, radio and television, instrumentation, automotive electronics, microwave modules, smart appliances and other fields.

Fuzhou LCA Electronic Technology Co., Ltd. adheres to the tenets of excellent quality, reputation first, and customer first, and sincerely cooperates with all units with a full range of high-quality services to develop together and create success!

Introduction to Feedthrough Capacitors

With the rapid increase in the operating frequency of electronic equipment, the frequency of electromagnetic interference is getting higher and higher, and the interference frequency usually reaches hundreds of MHz or even above GHz. Since the higher frequency of voltage or current easier cause to produce radiation, it is these very high-frequency interference signals that cause the problem of radiation interference to become increasingly serious. Therefore, a basic requirement for filters used to solve radiation interference is to have a large attenuation of these high-frequency interference signals. This type of radio frequency interference filter is an EMI/EMC filter, also called a feedthrough filter. Based on its physical structure characteristics, we also call it a feedthrough capacitor filter, or a feedthrough capacitor.

The effective filtering frequency range of ordinary RFI filters is several kHz and tens of MHz, while the effective filtering frequency range of RFI filters is from several kHz to over GHz. A filter constructed conventionally cannot be an RF filter. This is due to two reasons: the first reason is that the parasitic inductance of traditional capacitors is large (leading to series resonance and increasing bypass impedance), resulting in the capacitor not having a low impedance at higher frequencies and not being able to play a bypass role. The role of roads. The second reason is that the stray capacitance between the input and output ends of the filter causes high-frequency interference signal coupling, making the filter ineffective against high-frequency interference. The solution to this problem is to use feedthrough capacitors as bypass capacitors.

The feedthrough capacitor is a three-terminal capacitor with very small parasitic inductance and very small bypass impedance. Since the feedthrough capacitor can be directly installed on the metal panel, its grounding inductance is smaller and there is almost no influence of lead inductance, so the self-resonant frequency is very high. At the same time, due to the through-core design and its input and output terminals being isolated by metal plates, it effectively prevents high-frequency signals from being directly coupled from the input terminal to the output terminal. This combination of low pass and high impedance provides excellent rejection in the 1GHz frequency range. These two characteristics determine that the feedthrough capacitor has a filtering effect close to that of an ideal capacitor, that is, the feedthrough capacitor/radio frequency interference filter is an ideal device for interference/anti-interference filtering.



Advantages of LCA

Fuzhou LCA Electronic Technology Co., Ltd. (hereinafter referred to as LCA) is a national high-tech enterprise dedicated to the manufacturing of ceramic electronic components. The company has been producing feedthrough capacitor filters for over 20 years and has been committed to providing customers with high quality products and fast, friendly and flexible service through state-of-the-art facilities.

The core of LCA manufacturing technology is the "dry pressing process". This powder pressing molding process not only has high density and precision, but also has high stability and withstand voltage, and the product volume can be made smaller. It has great advantages in manufacturing feedthrough capacitor filter products. unique advantage. This makes LCA a leader in the manufacturing of feedthrough capacitor filters, high voltage ceramic capacitors and filtered arrays. We strictly implement the ISO 9001 quality management system and strive to make a good feedthrough filter for the world.

The LCA brand feedthrough capacitor filter produced by Fuzhou LCA Electronic Technology Co., Ltd. has been developed and improved by the company's R&D personnel for many years, and the production process has been further improved. The density and air tightness of the product have been further improved, and the withstand voltage and reliability of the product have been further improved. The application scope of the product has become wider, from the initial application of high-frequency heads of TV sets to gradually broadened to mobile phone repeaters, instruments, satellite antennas, and medical equipment. Recently, due to the rise of the Internet of Things and intelligent AI industries, our company The products have been expanded to automotive electronics, radio frequency modules, aerospace, military products and other fields.

LCA's excellence in ceramic materials technology, combined with EMI filter expertise, enables us to offer an unparalleled range of EMI filter products.

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LCA Product Introduction:

1、 Tubular Ceramic Capacitors

Tubular Capacitors are available in NPO, X7R, and Y5V ceramic bodies from 1.1 millimeter up to 8 millimeter. LCA can also design a custom ceramic blend for your specific application.

- **Shoulder Tubular Ceramic Capacitors.** Circuit configurations: C
- **Straight Tubular Ceramic Capacitors.** Multiple circuit configurations: C and Pi

2、 Solder-in Filters

Solder-in filters provide a compact and low cost filter that can be soldered into a bulkhead. Small size to allow effective use of space. The solder-in feature also allows installation in unison with other board mounted components. Primarily used in filtering signal/data lines, AC power lines, telecommunications equipment, transceivers, microwave filters, industrial control systems, and multi-circuit filter assemblies. Multiple circuit configurations: C and Pi

- **Solder-in Filters without Metallic Shell**
 - **Solder-in Filters with Metallic Shell**
- Resin Sealed Solder Mount Filters** provide environmental protection at low cost.
Glass Sealed Solder Mount Filters maintain hermeticity and provides protection from hostile environments.

3、 Resin Sealed Bolt-in Filters

These filters are easily mounted in a tapped hole or thru-hole with supplied nut and lock-washer. The rugged case with resin seals at both ends provides excellent environmental protection. Primarily used in filtering signal/data lines and DC power lines. Multiple circuit configurations: C, LC and Pi

4、 Filtered Arrays

The filtered array product offers flexibility to customers in choosing an efficient and cost effective solution to solving EMC issues. The filtered array product line encompasses our filter plates and filtered terminal blocks. Filter arrays primarily used in telecommunications equipment, cellular base stations, linear power amplifiers, cellular microcell repeaters, industrial, scientific, remote sensory, medical equipment, industrial controls, power supplies, uninterruptible power supplies, instrumentation and power distribution equipment.

5、 Miniature RF Filters

These filters are ideal for microwave applications such as attenuators and oscillators, and perform well in high impedance circuits. The high temperature construction meets military requirements for solderability and resistance to soldering heat. Some gold plating filters compatible with gold bonding techniques. Circuit configurations: C

6、 Hermetically Sealed Filters

This series of filters features hermetic glass seals and high EMI filtering performance. They are excellent for critical applications that demand high reliability in the toughest environmental conditions. Now we only have a glass seal on one side of the filter body, with the other end resin sealed. They are better than resin sealed filters in applications where outgassing is critical, or where the environment is particularly harsh. They are used where a rugged, hermetically sealed filter is required. Circuit configurations: C

7、 Obligato Premium Audio Capacitors

A superb low-cost high-quality capacitors that has a big following in the DIY community. Used in signal circuitry and in loudspeaker crossovers. Obligato caps are made with extra tight winding giving great control. They provide a smooth and easy sound.

8、 Discoidal Capacitors

Discoidal capacitors are at the heart of many EMI filters. More robust and reliable than tubular capacitors, they offer higher capacitance options and high voltage capability. Discoidal multilayer ceramic capacitors are of a configuration suitable for direct mounting into filters, onto bulkheads and hybrid circuits.

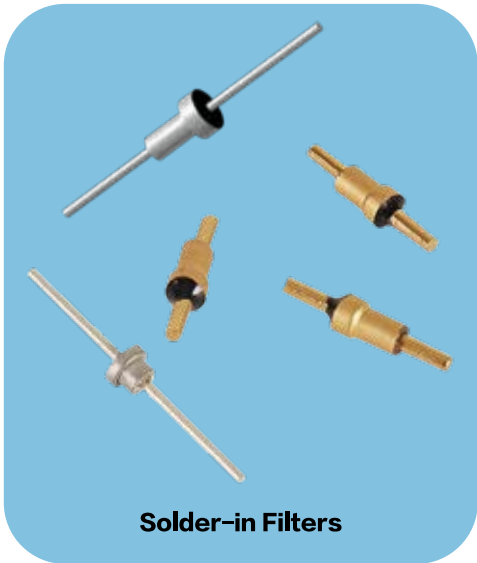
9、 Special Feedthrough Filters

This series of filtered connectors includes custom products ranging. Common markets for **Custom Filtered Connectors** are military, industrial and medical equipment. Including but not limited to commercial avionics, satellites, telecommunications, power supplies, electronic warfare, ground/air weapon systems and mining and oil drilling exploration.

LCA Product Categories



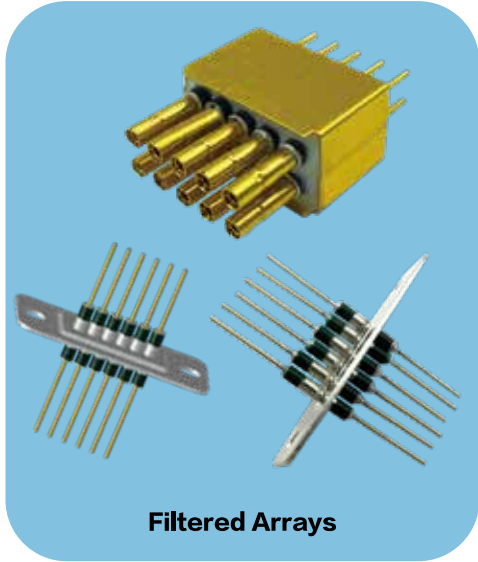
Tubular Ceramic Capacitors



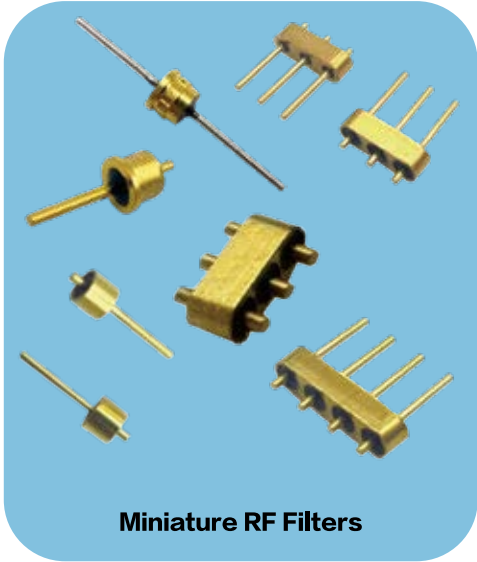
Solder-in Filters



Resin Sealed Bolt-in Filters



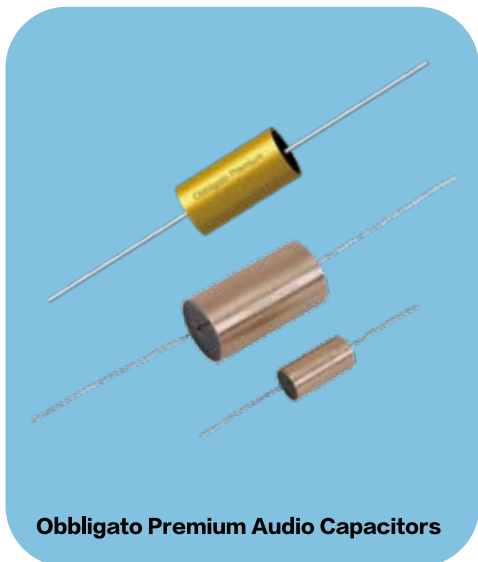
Filtered Arrays



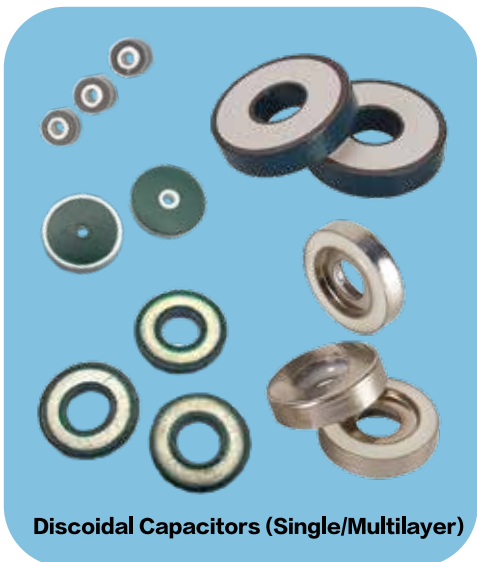
Miniature RF Filters



Hermetically Sealed Filters



Obligato Premium Audio Capacitors

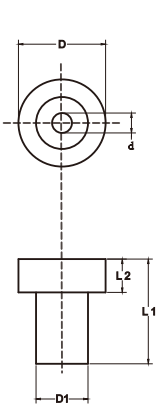


Discoidal Capacitors (Single/Multilayer)

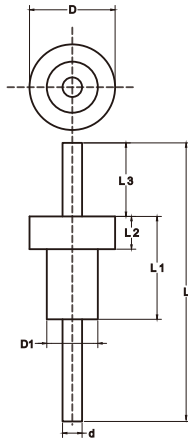


Special Feedthrough Filters

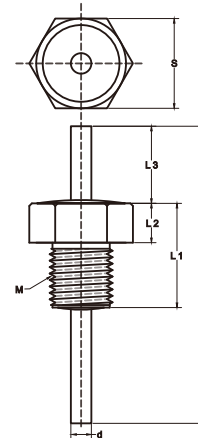
Quick Model Consultation Method



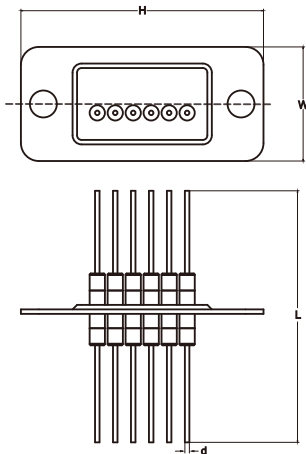
Tubular



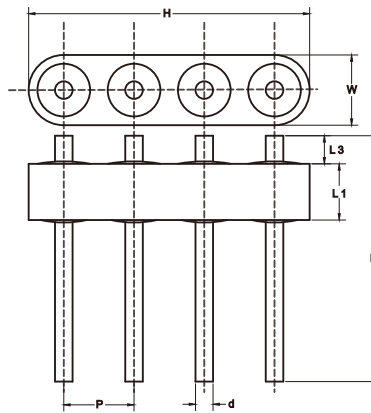
Solder-in



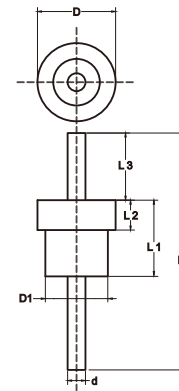
Threaded



Arrays



Miniature RF



Hermetically Sealed

LCA HC 3822-5008X -100VDC-102M

LCA Logo

Electrical Configuration (E.C.):
C, LC, PI, T

Filter Length:
L1

Lead diameter
d:
08=0.8mm
10=1.0mm
15=1.5mm

Num. of Lead:
_ =1 Lead
205=2Row*5Col

Capacitance:
100=10pF
101=100pF
102=1000pF
103=0.01uF
104=0.1uF

Installation method:
G=Tubular
H=Solder-in
L=Threaded
ZL =Arrays
HA=Miniature RF
HB=Hermetically Sealed

Large diameter/Length:
D/S/H

Small diameter/Width:
D1/M/W

Material:
X=X7R
Y=Y5P/Y5U/Y5V
S=SL
N=NPO

Rated Voltage:
(DC/AC)
50V 100V
250V 500V
1000V

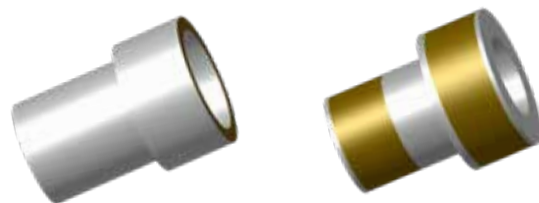
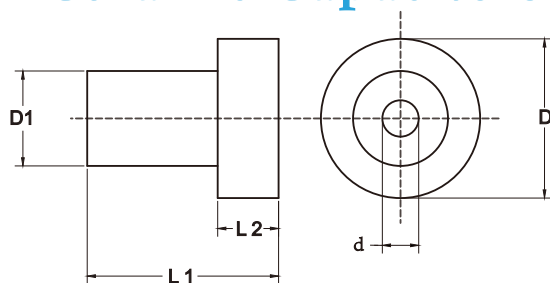
Accuracy:
K= ± 10%
M= ± 20%
S=-20%+50%
Z=-20%+80%
P=-0%+100%

If there are special requirements, we can accept the sample drawing customization.

Tubular Ceramic Capacitors

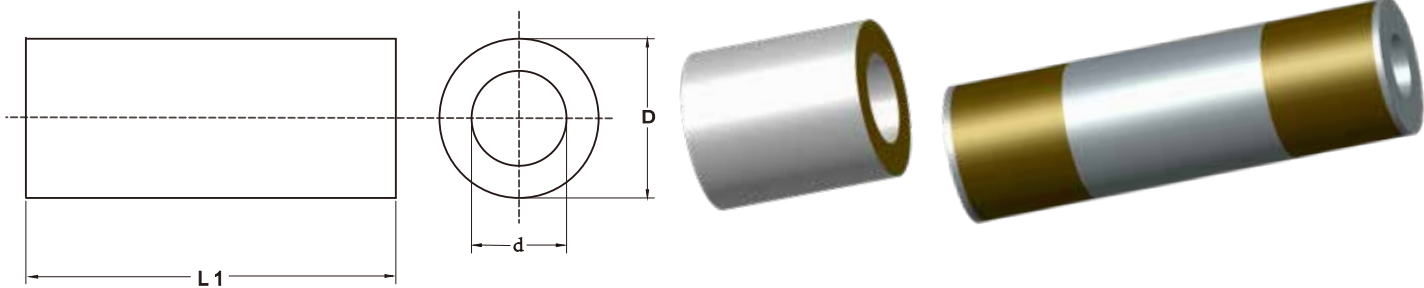


Tubular Ceramic Capacitors

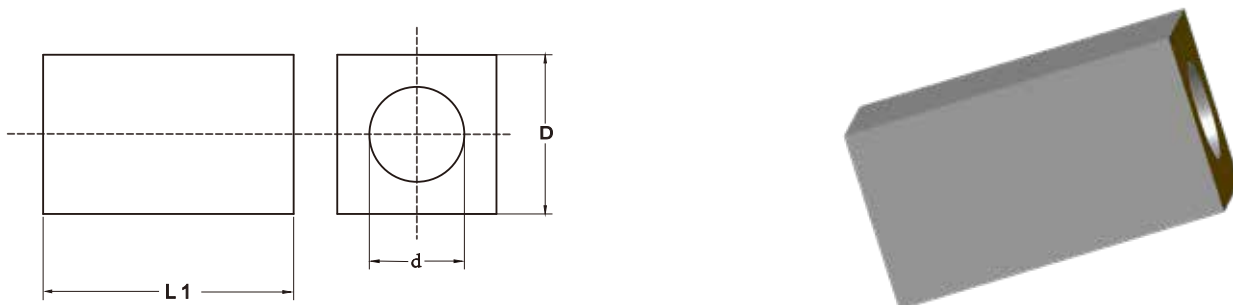


Part Num.	Size					Plate	Rated Vol.		Diel.	Cap.	Insertion Loss (dB)						
	D	D1	d	L1	L2		DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
G1915-909	1.9	1.5	0.8	<3	1	-	100	-	-	-	-	-	-	-	-	-	
G1915-921	1.9	1.5	0.8	2	0.9	Tin	100	-	NPO	<5pF	-	-	-	-	-	5	
G1915-914	1.9	1.5	0.7	2.5	1	Tin	100	-	NPO	10pF	-	-	-	-	5	12	
G1915-908	1.9	1.5	0.8	2.5	1	Gold	100	-	X7R	1000pF	-	-	-	5	20	35	40
G1915-916	1.9	1.5	0.8	2.5	1	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G2416-908	2.4	1.6	0.75	3	1.1	Tin	100	-	NPO	10pF	-	-	-	-	5	12	
G2416-901	2.4	1.6	0.8	4	1.5	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G2416-905	2.4	1.6	0.75	4	1.5	Tin	100	-	Y5V	3300pF	-	-	-	10	27	38	45
G2520-903	2.45	1.95	0.9	2.2	0.7	Tin	200	-	SL	47pF	-	-	-	-	10	20	
G2520-902	2.45	1.95	0.9	2.5	0.7	Tin	200	-	Y5P	470pF	-	-	-	9	28	33	
G2520-904	2.5	1.9	1	2.4	0.7	Tin	50	-	X7R	1000pF	-	-	-	5	20	35	40
G2618-901	2.6	1.8	0.8	3.5	1	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G3822-907	3.8	2.2	0.75	6.5	2	Tin	100	-	Y5U	2000pF	-	-	-	6	23	35	40
G3822-913	3.8	2.2	0.75	4.5	1.5	Tin	100	-	Y5V	4700pF	-	-	-	13	30	40	50
G4224-901	4.2	2.4	1	3.5	1	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G4330-906	4.3	3	1.2	4	1.7	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G4532-908	4.5	3.2	1.3	6.2	2	Tin	160	-	NPO	22pF	-	-	-	-	8	15	
G4532-914	4.5	3	1.3	4	2	Tin	200	-	X7R	1000pF	-	-	-	5	20	35	40
G4532-911A	4.5	3	1.3	5.5	2	Tin	200	-	X7R	1500pF	-	-	-	5	22	35	40
G4722-907	4.7	2.2	0.8	3.2	1	Tin	100	-	SL	100pF	-	-	-	3	20	27	
G4722-901B	4.7	2.2	1	3.7	1.5	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G4722-901A	4.7	2.2	1	3.7	1.5	Tin	100	-	X7R	2000pF	-	-	-	6	23	35	40
G4722-906	4.7	2.2	0.8	3.2	1	Tin	100	-	Y5V	4700pF	-	-	-	13	30	40	50
G4737-903	4.7	3.7	1.5	6.5	2.1	Tin	200	-	X7R	1000pF	-	-	-	5	20	35	40
G4737-907	4.7	3.7	1.5	6	2	Tin	200	-	Y5V	3300pF	-	-	-	10	27	38	45
G4737-904	4.7	3.7	1.5	6	2	Tin	200	-	Y5V	4700pF	-	-	-	13	30	40	50
G4737-908	4.7	3.7	1.5	6	2	Tin	200	-	Y5V	6000pF	-	-	-	15	30	42	50
G4743-901	4.8	4.3	1.3	6.5	0.8	Tin	100	-	X7R	1000pF	-	-	-	5	20	35	40
G5038-905	5.1	3.8	0.85	4.5	2.2	Tin	500	-	X7R	1000pF	-	-	-	5	20	35	40
G5122-904	5.1	2.2	1	6	2.5	Tin	100	-	X7R	3300pF	-	-	-	10	27	38	45
G5124-902	5.1	2.4	1.4	5.5	1.6	Tin	100	-	X7R	3300pF	-	-	-	10	27	38	45
G6045-903	6	4.5	2.5	6.5	1.5	Tin	160	-	Y5P	1000pF	-	-	-	5	20	35	40
G6045-904	6	4.5	2.5	6	1.5	Tin	160	-	X7R	1500pF	-	-	-	5	22	35	40
G6045-905	6	4.5	2.5	6.5	1.5	Tin	200	-	X7R	1800pF	-	-	-	6	23	35	40
G6045-906	6	4.5	2.5	6	1.7	Tin	160	-	NPO	68pF	-	-	-	-	12	23	
G7774-901	7.7	7.4	0.9	6.5	3	Tin	500	-	X7R	500pF	-	-	-	10	28	35	

Tubular Ceramic Capacitors



Part Num.	Size			Plate	Rated Vol.		Diel.	Cap.	E.C.	Insertion Loss (dB)						
	D	d	L1		DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
G1111-901	1.1	0.55	0.63	Tin	200	-	Y5P	100pF	C	-	-	-	-	3	20	27
G1818-901	1.85	0.65	1.25	Tin	100	-	Y5V	1000pF	C	-	-	-	5	20	35	40
G1818-902	1.8	1.2	2.5	Tin	100	-	X7R	1200pF	C	-	-	-	5	20	35	40
G2020-905	2	1.1	2.5	Tin	100	-	X7R	1000pF	C	-	-	-	5	20	35	40
G2020-906	2	1.1	3.2	Tin	100	-	X7R	1500pF	C	-	-	-	5	22	35	40
G2222-003	2.2	1.6	12	Tin	100	-	Y5P	430pF*2	PI	-	-	-	3	25	60	>70
G2222-014	2.2	1.6	8.5	Tin	250	-	X7R	800pF*2	PI	-	-	-	8	37	65	>70
G2222-013	2.2	1.6	8.5	Tin	100	-	Y5V	5000pF*2	PI	-	-	4	27	67	>70	>70
G2222-005	2.2	1.6	12	Tin	100	-	Y5U	0.01μF	C	-	-	4	21	35	50	58
G2222-006	2.2	1.6	12	Tin	100	-	Y5V	0.012μF*2	PI	-	-	10	40	>70	>70	>70
G2424-910	2.4	1.65	2.2	Tin	100	-	X7R	1000pF	C	-	-	-	5	20	35	40
G2424-912	2.4	1.65	2	Tin	100	-	X7R	1000pF	C	-	-	-	5	20	35	40
G2424-913	2.4	1.65	2.4	Tin	100	-	X7R	1200pF	C	-	-	-	5	20	35	40
G2424-911	2.4	1.65	2.6	Tin	100	-	Y5V	3300pF	C	-	-	-	10	27	38	45
G2424-914	2.4	1.65	2.6	Tin	100	-	Y5V	5500pF	C	-	-	-	13	30	40	50
G2525-913	2.5	1.3	1.3	Tin	100	-	SL	10pF	C	-	-	-	-	-	5	12
G2525-909	2.4	1.3	2.4	Tin	50	-	Y5P	500pF	C	-	-	-	-	10	28	35
G2525-906	2.5	1.3	2.5	Tin	200	-	X7R	1000pF	C	-	-	-	5	20	35	40
G3838-001A	3.8	1.8	12.5	Tin	500	-	X7R	1800pF	C	-	-	-	6	23	35	40
G8080-901	8	3.8	4	Tin	500	-	X7R	1000pF	C	-	-	-	5	20	35	40

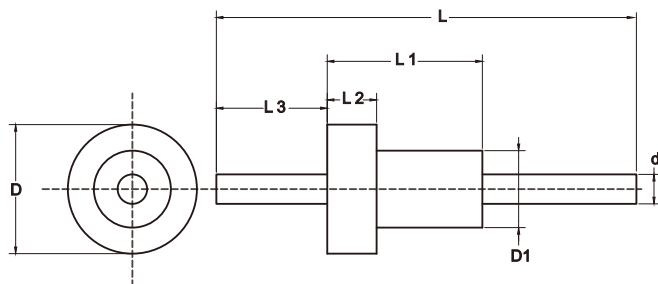


Part Num.	Plate	Rated Vol.		Diel.	Cap.	Insertion Loss (dB)						
		DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
G1717-902B	Tin	100	-	Y5V	2200pF	-	-	-	8	24	35	43
G1717-902	Tin	100	-	Y5V	4000pF	-	-	-	10	30	39	45

Solder-in Filters



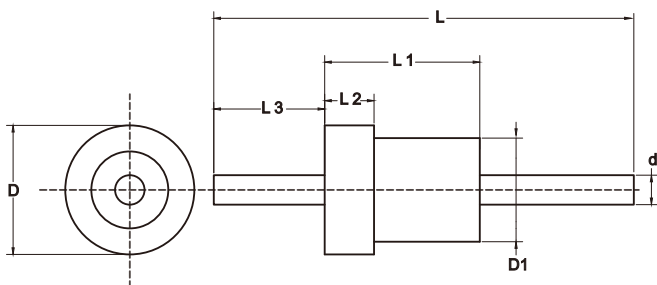
Solder-in Filters



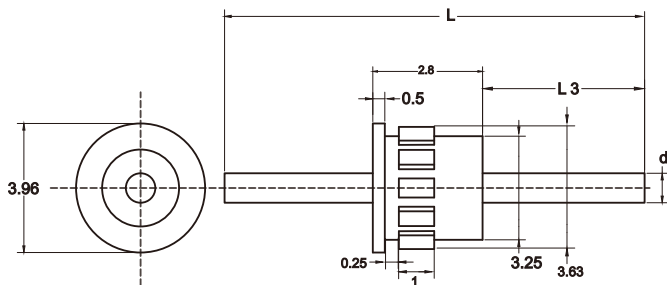
Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	D	D1	d	L	L1	L2	L3			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
H1915-916	1.9	1.5	0.8	30.3	2	0.5	10	NPO	Tin	100	-	7A	8pF	-	-	-	-	-	-	7
H1915-904	1.9	1.5	0.7	24	3.5	1	10	NPO	Tin	100	-	7A	10pF	-	-	-	-	-	5	12
JH1915-908	1.9	1.5	0.75	8.7	3	1	3	NPO	Gold	100	-	7A	10pF	-	-	-	-	-	5	12
H1915-906	1.9	1.5	0.7	17	3.5	1	9.5	NPO	Tin	100	-	7A	14pF	-	-	-	-	-	5	12
H1915-914	1.9	1.5	0.75	30.3	3.2	1	10	KL	Tin	100	-	7A	100pF	-	-	-	-	3	20	27
H1915-902	1.9	1.5	0.75	22	3.5	1	10	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H1915-917	1.9	1.5	0.75	22	2.5	1	10.2	X7R	Gold	100	-	7A	1000pF	-	-	-	5	20	35	40
H1915-925	1.9	1.5	0.75	11.2	3.0	1	4	X7R	Tin	100	-	7A	1000pF*2	-	-	-	5	20	35	40
H1915-912	1.9	1.5	0.7	24	3.2	1	10	Y5U	Tin	100	-	7A	3300pF	-	-	-	10	27	38	45
H1915-924	1.9	1.5	0.75	11.2	3.0	1	3.5	Y5V	Tin	100	-	7A	3300pF	-	-	-	10	27	38	45
H2416-906	2.4	1.6	0.7	30.3	4	1.5	9	NPO	Tin	50	-	7A	15pF	-	-	-	-	-	5	13
H2416-901	2.4	1.6	0.75	30.3	4	1.5	9	X7R	Tin	50	-	7A	1000pF	-	-	-	5	20	35	40
H2416-905	2.4	1.6	0.7	30.3	4	1.5	9	Y5V	Tin	100	-	7A	3300pF	-	-	-	10	27	38	45
H2416-911	2.4	1.6	0.7	30.3	4	1.5	9	Y5V	Tin	100	-	7A	4700pF	-	-	-	13	30	40	50
H2520-904	2.5	1.9	0.8	30.3	2.3	0.6	10	SL	Tin	100	-	7A	47pF	-	-	-	-	-	10	20
H2520-901	2.5	1.9	1	24.3	3	0.7	10.5	KL	Gold	100	-	10A	100pF	-	-	-	-	3	20	27
H2520-903	2.5	1.9	0.8	22	2.8	0.6	9.5	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H2618-931	2.6	1.8	0.75	14	3.5	1	6.5	NPO	Gold	100	-	7A	10pF	-	-	-	-	-	5	12
H2618-916A	2.6	1.8	0.7	30.3	3.5	1	9.5	SL	Tin	100	-	7A	50pF	-	-	-	-	-	10	20
H2618-917	2.6	1.8	0.75	22	3.5	1	9.5	SL	Tin	100	-	7A	100pF	-	-	-	-	3	20	27
H2618-907	2.6	1.8	0.75	22	3.5	1	9.5	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H2618-929	2.6	1.8	0.75	14	3.5	1	6.5	X7R	Gold	100	-	7A	1000pF	-	-	-	5	20	35	40
H2618-907E	2.6	1.8	0.75	22	3.5	1	9.5	X7R	Tin	100	-	7A	1500pF	-	-	-	5	22	35	40
H2618-905	2.6	1.8	0.75	22	3.5	1	9.5	Y5V	Tin	100	-	7A	3300pF	-	-	-	10	27	38	45
H2618-905A	2.6	1.8	0.75	22	3.5	1	9.5	Y5V	Tin	100	-	7A	4700pF	-	-	-	13	30	40	50
H3822-922	3.8	2.2	0.75	28.3	4.6	1.4	13	KL	Tin	100	-	7A	150pF	-	-	-	-	4	20	28
H3822-911	3.8	2.2	0.75	57	6.5	1.2	23	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H3822-912	3.8	2.2	0.75	19	5	1.5	9.5	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H3822-923A	3.8	2.2	0.75	14	5	1.5	6	X7R	Tin	300	-	7A	1000pF	-	-	-	5	20	35	40
H3822-912B	3.8	2.2	0.75	19	5	1.5	9.5	X7R	Tin	100	-	7A	1500pF	-	-	-	5	22	35	40
H3822-907	3.8	2.2	0.75	57	6.5	2	23	Y5U	Tin	100	-	7A	2000pF	-	-	-	6	23	35	40
H3822-924A	3.8	2.2	0.75	28.3	6	1.5	12.5	Y5V	Tin	100	-	7A	4700pF	-	-	-	13	30	40	50
H3822-924	3.8	2.2	0.75	28.3	6	1.5	12.5	Y5V	Tin	100	-	7A	6800pF	-	-	-	15	30	42	50
H4224-909	4.1	2.4	1	32.0	3.6	1	21.4	X7R	Tin	100	-	10A	1000pF	-	-	-	5	20	35	40
H4224-905	4.2	2.4	1	28.3	3	1	13	Y5V	Tin	100	-	10A	3300pF	-	-	-	10	27	38	45
H4330-903	4.5	3	1	28.3	4	1.8	12.5	Y5P	Tin	100	-	10A	330pF	-	-	-	-	6	25	32
H4330-905	4.3	3	1.2	28.5	3.5	1.5	8.5	Y5U	Tin	100	-	12A	2200pF	-	-	-	8	24	35	43

Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	D	D1	d	L	L1	L2	L3			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
H4532-915	4.5	3.2	1	57	4.5	2	26	X7R	Tin	100	-	15A	560pF	-	-	-	-	10	28	35
H4532-901	4.5	3.2	0.7	24	6	2.5	10	X7R	Tin	400	-	6A	1000pF	-	-	-	5	20	35	40
H4532-908	4.5	3.2	0.75	57	6	2.1	22	Y5U	Tin	400	-	7A	2200pF	-	-	-	8	24	35	43
H4722-902	4.7	2.2	0.75	22	3.2	1	12	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H4722-903	4.7	2.2	0.75	22	2.8	1	12	Y5V	Tin	100	-	7A	3300pF	-	-	-	10	27	38	45
H4722-906A	4.7	2.2	0.7	22	3.3	1	12	Y5V	Tin	100	-	7A	4700pF	-	-	-	13	30	40	50
H4722-916	4.7	2.2	1	28.3	4	1.5	12.5	Y5V	Tin	100	-	10A	10000pF	-	-	4	21	35	50	58
H4737-901	4.7	3.7	1.5	35	6.5	2.1	12	X7R	Tin	100	-	20A	1000pF	-	-	-	5	20	35	40
H4737-902	4.7	3.7	1.5	35	6	2	13.5	Y5V	Tin	100	-	20A	4700pF	-	-	-	13	30	40	50
H4743-901	4.7	4.3	1.2	35	6.5	0.5	14	X7R	Tin	100	-	10A	1000pF	-	-	-	5	20	35	40
H5038-901	5	3.8	0.75	30.3	4.5	2	9	X7R	Tin	100	-	7A	1000pF	-	-	-	5	20	35	40
H6045-901	6	4.2	2.5	35	6.5	1.5	12	Y5P	Tin	100	-	35A	1000pF	-	-	-	5	20	35	40

Solder-in Filters with Metallic Shell



Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	D	D1	d	L	L1	L2	L3			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
H3630-010	3.6	3	0.8	19.0	3.5	0.25	8.5	X7R	Silver	100	-	7A	1000pF	-	-	-	5	20	35	40
H3630-001	3.6	3	0.8	11	3	0.5	6.5	Y5V	Gold	50	-	5A	4000pF	-	-	-	10	30	39	45
H3630-012	3.55	2.95	0.8	11.5	3	0.5	7	Y5V	Gold	50	-	5A	5000pF	-	-	-	13	30	40	50
H4033-016	4	3.3	0.8	22	2.8	0.5	11	SL	Gold	100	-	7A	80pF	-	-	-	-	-	15	25
H4033-002	4	3.3	0.8	22	3	0.5	9	X7R	Gold	50	-	7A	1000pF	-	-	-	5	20	35	40
H4033-024	4	3.3	0.8	11.5	2.8	0.5	6.7	X7R	Gold	20	-	7A	1000pF	-	-	-	5	20	35	40
H4033-012	4	3.3	0.8	22	3	0.5	9	X7R	Gold	100	-	7A	0.1μF	-	5	22	40	47	65	≥65
H7040-001	7	4	1.2	13	4.5	2.5	4.5	X7R	Silver	200	-	10A	1000pF	-	-	-	5	20	35	40



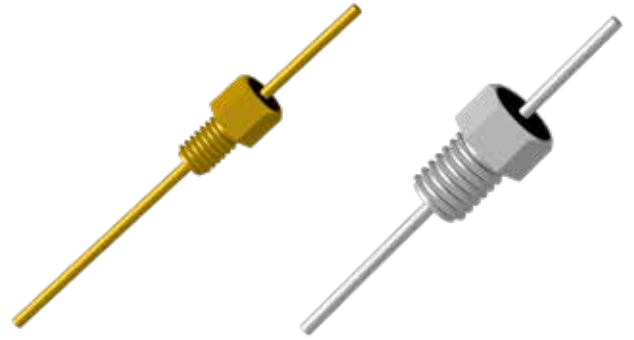
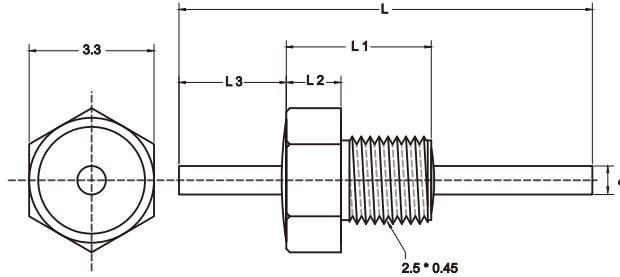
Part Num.	Size			Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	d	L	L3			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
Q4033-006A	0.6	22	9	SL	Gold	100	-	5A	80pF	-	-	-	-	-	15	25
Q4033-006	0.6	22	9	SL	Gold	100	-	5A	100pF	-	-	-	-	3	20	27
Q4033-005	0.8	15.88	6.5	X7R	Gold	50	-	5A	0.03μF	-	-	10	30	43	55	60

Resin Sealed Bolt-in Filters (Metric)



Resin Sealed Bolt-in Filters (Metric)

S3.3 M2.5 Series:

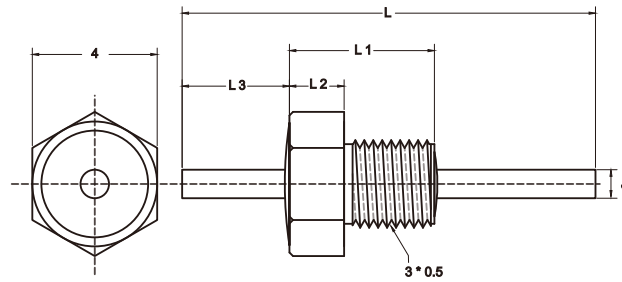


Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
L3325-036N	0.75	22	6.6	3	8.5	NPO	Nickel	100	-	7A	4.7pF	C	-	-	-	-	-	-	5
L3325-008	0.75	30.3	6.6	3	8.3	NPO	Silver	100	-	7A	5.1pF	C	-	-	-	-	-	-	5
L3325-008N	0.75	30.3	6.6	3	8.3	NPO	Nickel	100	-	7A	5.1pF	C	-	-	-	-	-	-	5
L3325-012	0.75	30.3	6.6	3.6	7.7	NPO	Nickel	100	-	7A	5.1pF	C	-	-	-	-	-	-	5
L3325-037	0.75	30.3	6.6	3	8.3	NPO	Gold	100	-	7A	5.1pF	C	-	-	-	-	-	-	5
L3325-004N	0.75	30.3	6.6	3	8.3	NPO	Nickel	10	-	7A	10pF	C	-	-	-	-	-	5	12
L3325-025N	0.7	30.3	6.6	3	21.5	NPO	Nickel	100	-	7A	10pF	C	-	-	-	-	-	5	12
L3325-044N	0.75	30.3	6.6	3	8.3	NPO	Nickel	50	-	7A	25pF	C	-	-	-	-	-	8	15
L3325-044N	0.75	30.3	6.6	3	8.3	NPO	Nickel	50	-	7A	25pF	C	-	-	-	-	-	8	15
L3325-002N	0.7	30.3	6.6	3	8.3	SL	Nickel	50	-	7A	100pF	C	-	-	-	-	3	20	27
L3325-031	0.7	30.3	6.6	3	8.3	SL	Gold	50	-	7A	100pF	C	-	-	-	-	3	20	27
L3325-043	0.75	30.3	6.0	3	8.3	SL	Gold	100	-	7A	100pF	C	-	-	-	-	3	20	27
L3325-006	0.7	30.3	6.6	3	8.3	Y5P	Silver	100	-	7A	470pF	C	-	-	-	-	9	28	33
L3325-001	0.75	30.3	6.6	3	8.3	X7R	Silver	50	-	7A	1000pF	C	-	-	-	5	20	35	40
L3325-019	0.75	30.3	6.6	3	7.5	X7R	Silver	100	-	7A	1000pF	C	-	-	-	5	20	35	40
L3325-020N	0.75	30.3	6.6	3	8.3	X7R	Nickel	100	-	7A	1000pF	C	-	-	-	5	20	35	40
L3325-034	0.7	30.3	6.6	3	8.3	X7R	Gold	100	-	7A	1000pF	C	-	-	-	5	20	35	40
L3325-021N	0.75	30.3	6.6	3	8	Y5U	Silver	100	-	7A	2200pF	C	-	-	-	8	24	35	43
L3325-003	0.7	30.3	6.6	3	8.3	Y5V	Silver	50	-	7A	3300pF	C	-	-	-	10	27	38	45
L3325-013	0.75	30.3	6.6	3.6	7.7	X7R	Nickel	100	-	7A	3300pF	C	-	-	-	10	27	38	45
L3325-014	0.75	30.3	6.6	3	8.3	X7R	Silver	50	-	7A	3300pF	C	-	-	-	10	27	38	45
L3325-024N	0.7	30.3	6.6	3	8	Y5V	Nickel	50	-	7A	3300pF	C	-	-	-	10	27	38	45
L3325-005	0.7	30.3	6.6	3	8.3	Y5V	Silver	50	-	7A	4700pF	C	-	-	-	13	30	40	50
L3325-023AN	0.75	30.3	6.6	3	8	Y5V	Nickel	100	-	7A	4700pF	C	-	-	-	13	30	40	50
L3325-015	0.75	30.3	6.6	3	8.3	X7R	Silver	50	-	7A	0.01μF	C	-	-	4	21	35	50	58
L3325-023N	0.75	30.3	6.6	3	8	Y5V	Silver	100	-	7A	0.01μF	C	-	-	4	21	35	50	58
L3325-017	0.75	30.3	6.6	3	8.3	X7R	Silver	25	-	7A	0.03μF	C	-	-	10	30	43	55	60
L3325-016A	0.75	30.3	6.6	3	8.3	X7R	Silver	25	-	7A	0.1μF	C	-	5	22	40	47	65	≥65

Resin Sealed Bolt-in Filters (Metric)



S4 M3 Series:

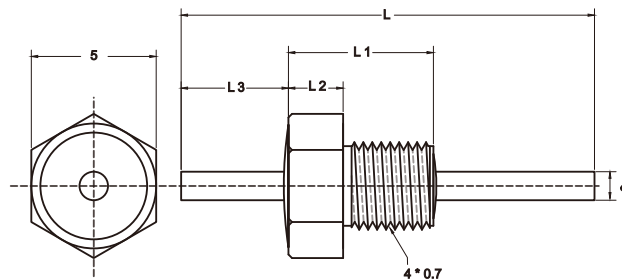


Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
L4030-037N	0.75	30.3	6	2.5	8.8	NPO	Nickel	100	-	7A	5pF	C	-	-	-	-	-	-	5
L4030-001	0.75	30.3	7	3	8.3	NPO	Silver	50	-	7A	10pF	C	-	-	-	-	-	5	12
L4030-001N	0.75	30.3	7	3	8.8	NPO	Nickel	100	-	7A	10pF	C	-	-	-	-	-	5	12
L4030-030N	0.75	30.3	6	2.5	8.8	NPO	Nickel	100	-	7A	10pF	C	-	-	-	-	-	5	12
L4030-073	0.75	30.3	7	3	8	NPO	Silver	100	-	7A	22pF	C	-	-	-	-	-	8	15
L4030-023	0.7	17	7	3	5	SL	Silver	100	-	7A	50pF	C	-	-	-	-	-	10	20
L4030-059N	0.75	30.3	6	2.5	8.8	NPO	Nickel	100	-	7A	50pF	C	-	-	-	-	-	10	20
L4030-006A	0.7	17	7	3	5	SL	Silver	100	-	7A	80pF	C	-	-	-	-	-	15	25
L4030-002	0.75	30.3	7	3	8.3	Y5P	Silver	100	-	7A	200pF	C	-	-	-	-	4	22	30
L4030-003N	0.75	30.3	6	3	8.8	Y5P	Nickel	100	-	7A	470pF	C	-	-	-	-	9	28	33
L4330-052	0.75	30.3	7	3	8.3	Y5P	Silver	100	-	7A	680pF	C	-	-	-	-	13	30	37
L4030-004	0.75	30.3	7	3	8.3	X7R	Silver	50	-	7A	1000pF	C	-	-	-	5	20	35	40
L4030-034N	0.75	30.3	6	2.5	8.8	X7R	Nickel	100	-	7A	1000pF	C	-	-	-	5	20	35	40
L4030-075N	0.75	26	6	2.5	6	X7R	Nickel	100	-	7A	1000pF	C	-	-	-	5	20	35	40
L4030-004E	0.75	30.3	7	3	8.3	X7R	Silver	100	-	7A	1500pF	C	-	-	-	5	22	35	40
L4030-033N	0.75	30.3	6	2.5	8.8	Y5U	Nickel	100	-	7A	2200pF	C	-	-	-	8	24	35	43
L4030-032AN	0.75	30.3	6	2.5	8.8	Y5V	Nickel	100	-	7A	2700pF	C	-	-	-	10	25	38	45
L4030-005	0.7	30.3	7	3	8.3	Y5V	Silver	50	-	7A	3300pF	C	-	-	-	10	27	38	45
L4030-032N	0.75	30.3	6	2.5	8.8	Y5V	Nickel	100	-	7A	3300pF	C	-	-	-	10	27	38	45
L4030-010	0.75	30.3	7	3	8.3	X7R	Silver	100	-	7A	4700pF	C	-	-	-	13	30	40	50
L4030-032BN	0.75	30.3	6	2.5	8.8	Y5V	Nickel	100	-	7A	4700pF	C	-	-	-	13	30	40	50
L4030-069	0.75	30.3	7	3	8	Y5V	Silver	100	-	7A	6800pF	C	-	-	-	15	30	42	50
L4030-008	0.75	30.3	7	3	8.3	X7R	Silver	50	-	7A	0.01μF	C	-	-	4	21	35	50	58
L4030-008N	0.75	30.3	6	2.5	8.8	X7R	Nickel	50	-	7A	0.01μF	C	-	-	4	21	35	50	58
L4330-053N	0.75	28.3	6	2.5	11.5	Y5V	Nickel	100	-	7A	0.01μF	C	-	-	4	21	35	50	58
L4030-081	0.75	30.3	7	3	8.3	X7R	Silver	50	-	7A	0.027μF	C	-	-	10	30	41	55	60
L4030-080A	0.75	30.3	7	3	8.3	X7R	Silver	50	-	7A	0.047μF	C	-	-	12	32	43	57	60
L4030-082	0.75	19.0	7	3	8.0	X7R	Silver	60	-	10A	0.05μF	C	-	-	15	34	45	58	60
L4030-011	0.75	30.3	7	3	8.3	X7R	Silver	16	-	7A	0.1μF	C	-	5	22	40	47	65	≥65
L4030-083N	0.75	14.0	7	3	4.0	X7R	Silver	16	-	7A	0.1μF	C	-	5	22	40	47	65	≥65

Resin Sealed Bolt-in Filters (Metric)



S5 M4 Series:

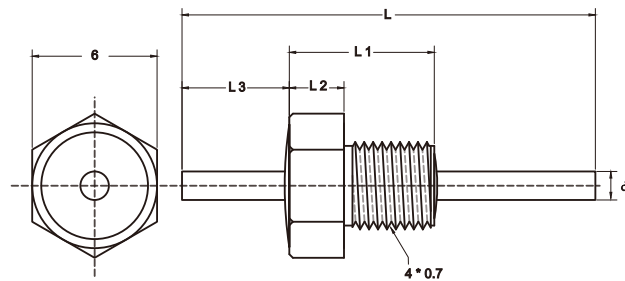


Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L5040-004	0.75	35	6.5	3	12	SL	Silver	100	-	7A	50pF	C	-	-	-	-	-	10	20
L5040-023	0.75	38	6.5	3	15	SL	Silver	100	-	7A	50pF	C	-	-	-	-	-	10	20
L5040-007	1	28.3	8.2	3.2	11.5	SL	Silver	100	-	10A	100pF	C	-	-	-	-	3	20	27
L5040-033	0.75	57	6.5	3	21	SL	Silver	100	-	7A	100pF	C	-	-	-	-	3	20	27
L5040-019	0.75	57	6.5	3	21	SL	Silver	100	-	7A	200pF	C	-	-	-	-	4	22	30
L5040-006	1	28.3	8.2	3.2	11.5	Y5P	Silver	100	-	10A	470pF	C	-	-	-	-	9	28	33
L5040-002	1	28.3	8	4	10.3	X7R	Silver	100	-	10A	1000pF	C	-	-	-	5	20	35	40
L5040-001	0.75	28.3	8.2	3.2	9.3	X7R	Silver	100	-	7A	1000PF*2	PI	-	-	-	10	44	68	>70
L5040-009	0.75	35	13.5	3.5	9.5	X7R	Silver	100	-	7A	3300pF*2	PI	-	-	-	21	64	>70	>70
L5040-005	0.75	28.3	8.2	3.2	11	Y5V	Silver	200	-	7A	4700pF	C	-	-	-	13	30	40	50
L5040-021	0.75	28.3	12	5	7	Y5U	Silver	100	-	7A	5000pF*2	PI	-	-	4	27	67	>70	>70
L5040-020	0.75	28.3	12	5	7	Y5V	Silver	50	-	5A	8000pF*2	PI	-	-	7	32	>70	>70	>70
L5040-003	0.75	35	6.5	3	12	X7R	Silver	50	-	7A	0.01μF	C	-	-	4	21	35	50	58
L5040-024	0.75	30.3	13.5	3.5	8.5	X7R	Silver	50	-	7A	0.03μF	LC	-	-	12	30	48	68	>70

Resin Sealed Bolt-in Filters (Metric)



S6 M4 Series:

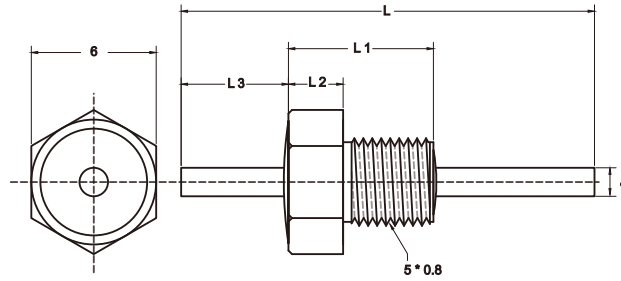


Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L6040-057	1	28.3	7.5	3.5	11.5	NPO	Silver	100	-	10A	5.1pF	C	-	-	-	-	-	-	5
L6040-032A	1	28.3	7.5	3.5	11.5	NPO	Silver	100	-	10A	6.8pF	C	-	-	-	-	-	-	6
L6040-054AN	1	28.3	7.5	3.5	11.5	NPO	Nickel	100	-	10A	10pF	C	-	-	-	-	-	5	12
L6040-054	1	28.3	7.5	3.5	11.5	NPO	Silver	200	-	10A	15pF	C	-	-	-	-	-	5	13
L6040-084N	1	28.3	7.5	3.5	11.5	NPO	Nickel	100	-	10A	22pF	C	-	-	-	-	-	8	15
L6040-006AN	1	28.3	7.5	3.5	11.5	SL	Nickel	100	-	10A	100pF	C	-	-	-	-	3	20	27
L6040-006	1	28.3	7.5	3.5	11.5	SL	Silver	100	-	10A	150pF	C	-	-	-	-	4	20	28
L6040-056	1	28.3	7.5	3.5	11.5	NPO	Silver	100	-	10A	220pF	C	-	-	-	-	4	22	30
L6040-055	1	28.3	7.5	3.5	11.5	Y5P	Silver	200	-	10A	250pF	C	-	-	-	-	4	22	30
L6040-007	1	28.3	7.5	3.5	11.5	NPO	Silver	100	-	10A	330pF	C	-	-	-	-	6	25	32
L6040-095	1	28.3	7.5	3.5	11.5	Y5P	Silver	100	-	10A	330pF	C	-	-	-	-	6	25	32
L6040-002N	1	28.3	7.5	3.5	11.5	Y5P	Nickel	200	-	10A	470pF	C	-	-	-	-	9	28	33
L6040-002A	1	28.3	7.5	3.5	11.5	Y5P	Silver	100	-	10A	560pF	C	-	-	-	-	10	28	35
L6040-001	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	1000pF	C	-	-	-	5	20	35	40
L6040-058AN	1	28.3	7.5	3.5	11.5	X7R	Nickel	500	-	10A	1000pF	C	-	-	-	5	20	35	40
L6040-058N	1	28.3	7.5	3.5	11.5	X7R	Nickel	100	-	10A	1000pF	C	-	-	-	5	20	35	40
L6040-086N	1.3	28.3	7.5	3.5	10.5	X7R	Nickel	100	-	15A	1000pF	C	-	-	-	5	20	35	40
L6040-091N	1	28.3	7.5	3.5	11.5	X7R	Nickel	100	-	15A	1500pF	C	-	-	-	5	22	35	40
L6040-042	0.75	28.3	7.5	3.5	12	X7R	Silver	100	-	7A	1800pF	C	-	-	-	6	23	35	40
L6040-059N	1	28.3	7.5	3.5	11.5	X7R	Nickel	100	-	10A	2200pF	C	-	-	-	8	24	35	43
L6040-011	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	3300pF	C	-	-	-	10	27	38	45
L6040-060AN	1	28.3	7.5	3.5	11.5	X7R	Nickel	500	-	10A	3300pF	C	-	-	-	10	27	38	45
L6040-060N	1	28.3	7.5	3.5	11.5	X7R	Nickel	100	-	10A	3300pF	C	-	-	-	10	27	38	45
L6040-066	1.2	28.5	7.5	3.5	6.5	X7R	Silver	100	-	15A	3300pF	C	-	-	-	10	27	38	45
L6040-085N	1	28.3	7.5	3.5	11.5	Y5V	Nickel	100	-	10A	4700pF	C	-	-	-	13	30	40	50
L6040-008	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	0.01μF	C	-	-	4	21	35	50	58
L6040-008N	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	0.01μF	C	-	-	4	21	35	50	58
L6040-015	1	28.3	11	4	10.5	X7R	Silver	300	-	10A	0.01μF	C	-	-	4	21	35	50	58
L6040-080N	1	35	7.5	3.5	12	Y5V	Silver	300	-	10A	0.01μF	C	-	-	4	21	35	50	58
L6040-029	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	0.03μF	C	-	-	10	30	43	55	60
L6040-071	0.8	28.3	7.5	3.5	11.5	X7R	Silver	200	-	10A	0.047μF	C	-	-	12	32	43	57	60
L6040-010	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	0.1μF	C	-	5	22	40	47	65	≥65
L6040-016	1	28.3	11	4	10.5	X7R	Silver	100	-	10A	0.1μF	C	-	5	22	40	47	65	≥65
L6040-096N	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	0.47μF	C	-	17	34	50	62	65	≥70
L6040-061N	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	1.0μF	C	5	20	38	52	65	70	≥80
L6040-097N	1	28.3	7.5	3.5	11.5	X7R	Silver	100	-	10A	2.0μF	C	17	30	50	63	70	75	≥80

Resin Sealed Bolt-in Filters (Metric)

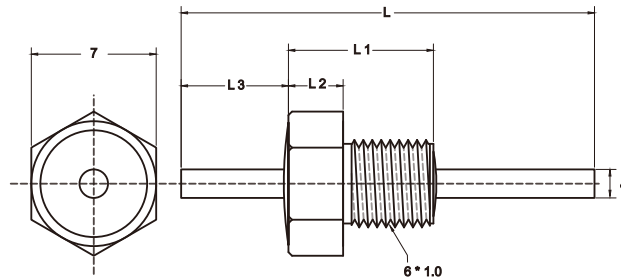


S6 M5 Series:



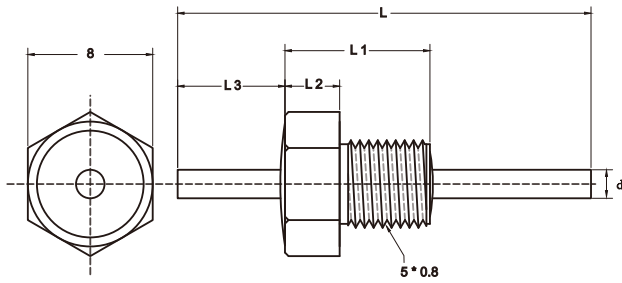
Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L6050-024N	0.75	30.3	10	4	7.5	-	Nickel	-	600	7A	-	-	-	-	-	-	-	-	-
L6050-048N	1	35	15.5	4.5	10.5	SL	Nickel	1250	-	10A	10	C	-	-	-	-	-	5	12
L6050-064N	1	35	10	4	10.5	SL	Nickel	300	-	10A	47pF	C	-	-	-	-	-	10	20
L6050-053	0.8	57	16	5	19.5	SL	Silver	1250	-	7A	56pF	C	-	-	-	-	-	10	20
L6050-030N	1	28.3	10	4	10.5	SL	Nickel	750	-	10A	80pF	C	-	-	-	-	-	15	25
L6050-015N	1	28.3	10	4	10.5	SL	Silver	500	-	10A	100pF	C	-	-	-	-	3	20	27
L6050-019	1.3	28.5	10	4	10.5	KL	Silver	1500	-	10A	100pF	C	-	-	-	-	3	20	27
L6050-020	1.3	28.5	10	4	10.5	KL	Silver	1500	-	10A	200pF	C	-	-	-	-	4	22	30
L6050-014N	1.2	28.5	15.5	4.5	7	X7R	Nickel	1000	-	15A	1000pF	C	-	-	-	5	20	35	40
L6050-016N	0.75	35	10	4	10.5	X7R	Nickel	600	-	7A	1000pF	C	-	-	-	5	20	35	40
L6050-008	0.75	28.3	7	3	10.5	X7R	Silver	300	-	7A	1000pF*2	PI	-	-	-	3	35	60	70
L6050-021AN	1	35	10	4	10.5	X7R	Nickel	1250	-	10A	1500pF	C	-	-	-	5	22	35	40
L6050-021N	1	35	10	4	10.5	X7R	Nickel	750	-	10A	1500pF	C	-	-	-	5	22	35	40
L6050-046	0.8	54	16	5	15	X7R	Silver	1000	-	7A	1500pF	C	-	-	-	5	22	35	40
L6050-018N	1.2	28.5	15.5	4.5	7	X7R	Nickel	1000	-	15A	2000pF	C	-	-	-	6	23	35	40
L6050-005N	1	35	10	4	10.5	X7R	Nickel	300	-	10A	3300pF	C	-	-	-	10	27	38	45
L6050-033N	1	35	10	4	10.5	X7R	Silver	300	-	10A	4700pF	C	-	-	-	13	30	40	50
L6050-058N	0.75	23	10	4	5	X7R	Silver	600	-	10A	4700pF	C	-	-	-	13	30	40	50
L6050-023N	1	35	10	4	10.5	X7R	Nickel	750	-	10A	10000pF	C	-	-	4	21	35	50	58
L6050-043N	1	35	10	4	10.5	X7R	Nickel	750	-	10A	0.022μF	C	-	-	7	20	37	50	60
L6050-025	1	28.3	10	4	10.5	X7R	Silver	300	-	10A	68000pF	C	-	4	17	36	45	60	≥62
L6050-049N	1.2	28.5	10	4	6.5	X7R	Nickel	500	-	15A	0.1μF	C	-	5	22	40	47	65	≥65
L6050-036N	1	28.3	10	4	10.5	X7R	Nickel	300	-	10A	1.0μF	C	5	20	38	52	65	70	≥80
L6050-051N	1	28.3	10	4	10.5	X7R	Nickel	75	-	10A	3.3μF	C	20	34	52	63	70	75	≥80

S7 M6 Series:

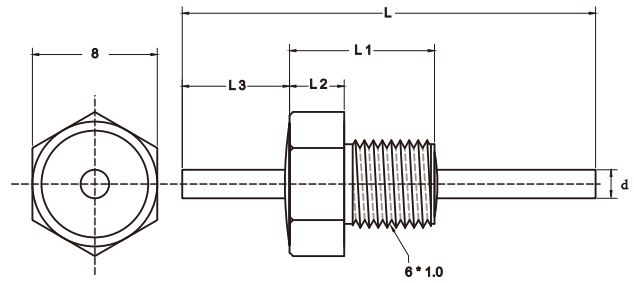


Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L7060-002	2.0	42	16	8	15.5	SL	Silver	300	-	25A	100pF	C	-	-	-	-	3	20	27
L7060-001	2.0	42	16	8	15.5	SL	Silver	300	-	25A	220pF	C	-	-	-	-	4	22	30
L7060-015	1.5	35	16	8	9	X7R	Silver	200	-	15A	1500pF	C	-	-	-	5	22	35	40

Resin Sealed Bolt-in Filters (Metric)



S8M5 Series



S8M6 Series

S8 M5 Series:

Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
L8050-020N	1	35	11.5	6.5	9.5	NPO	Nickel	200	-	10A	5pF	C	-	-	-	-	-	-	5	
L8050-001	1.5	32	10	6	8	X7R	Silver	200	-	20A	1000pF	C	-	-	-	5	20	35	40	
L8050-002C	1.5	35	11	6	10	X7R	Silver	100	-	20A	1500pF	C	-	-	-	5	22	35	40	
L8050-008	1.5	35	10	6	10	X7R	Silver	200	-	20A	3300pF	C	-	-	-	10	27	38	45	
L8050-013	1.5	35	10	6	10	X7R	Silver	200	-	20A	5600pF	C	-	-	-	13	30	40	50	
L8050-012	1	35	11	6	9	X7R	Silver	100	-	10A	0.01μF	C	-	-	4	21	35	50	58	
L8050-009	1	35	11	6	9	X7R	Silver	100	-	10A	0.1μF	C	-	5	22	40	47	65	≥ 65	

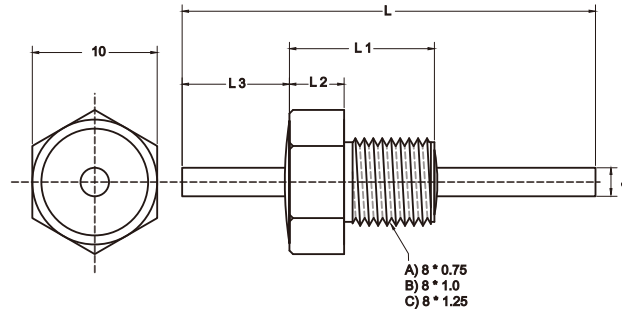
S8 M6 Series:

Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
L8060-095N	1	24.3	9	4	8.5	X7R	Nickel	100	-	10A	5pF	C	-	-	-	-	-	-	5	
L8060-020N	1.5	35	11	6	10.5	SL	Nickel	-	250	20A	100pF	C	-	-	-	-	3	20	27	
L8060-015N	0.8	30.3	9	4	7	X7R	Nickel	100	-	7A	1000pF	C	-	-	-	5	20	35	40	
L8060-015BN	0.8	30.3	9	4	7	X7R	Nickel	500	-	7A	1000pF	C	-	-	-	5	20	35	40	
L8060-063BN	1.5	35	11	6	10	X7R	Nickel	500	-	20A	1500pF	C	-	-	-	5	22	35	40	
L8060-018CN	1.5	35	11	6	10.5	X7R	Nickel	-	250	20A	2200pF	C	-	-	-	8	24	35	43	
L8060-013N	1.5	35	11	6	10.5	Y5V	Nickel	-	250	20A	3300pF	C	-	-	-	10	27	38	45	
L8060-003N	0.8	30.3	9	4	7	X7R	Nickel	200	-	7A	4700pF	C	-	-	-	13	30	40	50	
L8060-013EN	1.5	35	11	6	10.5	Y5V	Nickel	-	250	20A	4700pF	C	-	-	-	13	30	40	50	
L8060-013AN	1.5	35	11	6	10.5	Y5V	Nickel	-	250	20A	5000pF	C	-	-	-	13	30	40	50	
L8060-083N	1.2	35	9	4	12	X7R	Nickel	100	-	15A	6800pF	C	-	-	-	15	30	42	50	
L8060-044N	1.5	35	11	6	10.5	X7R	Nickel	500	-	20A	10000pF	C	-	-	4	21	35	50	58	
L8060-061N	1.5	35	11	6	10.5	X7R	Silver	500	-	20A	0.022μF	C	-	-	7	20	37	50	60	
L8060-019AN	1	28.3	9	4	10.5	X7R	Nickel	100	-	10A	0.1μF	C	-	5	22	40	47	65	≥ 65	
L8060-025N	1	28.3	9	4	10.5	X7R	Nickel	250	-	10A	0.15μF	C	-	4	26	42	55	65	≥ 70	
L8060-023N	1	28.3	9	4	10.5	X7R	Nickel	100	-	10A	0.33μF	C	-	12	30	47	62	65	≥ 70	
L8060-070N	1	28.3	9	4	10.5	X7R	Nickel	200	-	10A	0.47μF	C	-	17	34	50	62	65	≥ 70	
L8060-028	1	35	15	10	13.5	X7R	Silver	50	-	10A	0.47μF*2	PI	4	18	60	>70	>70	>70	>70	
L8060-009N	1	28.3	9	4	10.5	X7R	Silver	100	-	10A	1.0μF	C	5	20	38	52	65	70	≥ 80	
L8060-029	1	35	15	10	13.5	X7R	Silver	50	-	10A	1.0μF*2	PI	10	27	63	>70	>70	>70	>70	
L8060-007N	1	28.3	9	4	10.5	X7R	Nickel	100	-	10A	1.5μF	C	10	26	42	57	70	75	≥ 80	
L8060-017N	1	28.3	9	4	10.5	X7R	Nickel	50	-	10A	2.0μF	C	17	30	50	63	70	75	≥ 80	
L8060-085N	1.2	35	9	4	12	X7R	Nickel	50	-	15A	4.7μF	C	25	37	56	65	70	75	≥ 80	

Resin Sealed Bolt-in Filters (Metric)

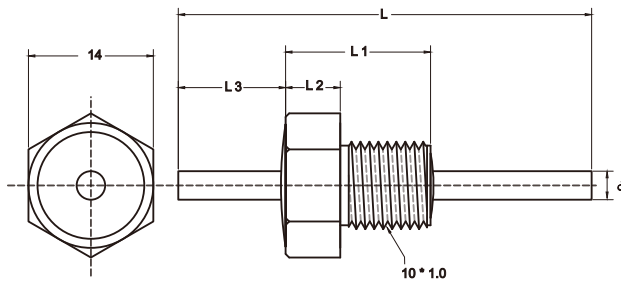


S10 M8 Series:



Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
	d	L	L1	L2	L3	M			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
L10080-045N	1.5	35	15	7	10	A	-	Nickel	500	-	20A	-	-	-	-	-	-	-	-	-	
L10080-019N	1.5	35	15	7	10	B	-	Nickel	200	-	15A	-	-	-	-	-	-	-	-	-	
L10080-030N	1.5	35	15	7	10	A	SL	Nickel	-	250	20A	100pF	C	-	-	-	-	3	20	27	
L10080-001AN	1.5	35	15	7	10	A	X7R	Nickel	500	-	20A	1000pF	C	-	-	-	5	20	35	40	
L10080-042N	1.5	35	15	7	10	A	X7R	Nickel	-	500	20A	1000pF	C	-	-	-	5	20	35	40	
L10080-023N	2.5	35	15	7	10	A	X7R	Nickel	500	-	50A	2200pF	C	-	-	-	8	24	35	43	
L10080-032AN	2.5	35	15	7	10	A	Y5V	Nickel	-	250	50A	3300pF	C	-	-	-	10	27	38	45	
L10080-024N	1.5	35	15	7	10	A	Y5V	Nickel	-	250	20A	3300pF	C	-	-	-	10	27	38	45	
L10080-032N	2.5	35	15	7	10	A	Y5V	Nickel	-	220	50A	4700pF	C	-	-	-	13	30	40	50	
L10080-032BN	2.5	35	15	7	10	A	Y5V	Nickel	100	-	50A	5000pF	C	-	-	-	13	30	40	50	
L10080-009N	1.5	35	15	7	10	A	X7R	Silver	100	-	25A	0.01μF	C	-	-	4	21	35	50	58	
L10080-026N	2.5	35	15	7	10	A	X7R	Nickel	500	-	40A	0.01μF	C	-	-	4	21	35	50	58	
L10080-028N	1.5	35	15	7	10	B	X7R	Nickel	500	-	15A	0.05μF	C	-	-	15	34	45	58	60	
L10080-018N	2	35	15	7	10	A	X7R	Nickel	60	-	50A	0.1μF	C	-	5	22	40	47	65	≥ 65	
L10080-044N	2	35	15	7	10	C	X7R	Nickel	60	-	50A	0.1μF	C	-	5	22	40	47	65	≥ 65	
L10080-014N	1.5	35	15	7	10	A	X7R	Nickel	100	-	20A	1.0μF	C	5	20	38	52	65	70	≥ 80	
L10080-049N	1.5	35	15	7	10	A	X7R	Nickel	100	-	20A	2.0μF	C	17	30	50	63	70	75	≥ 80	

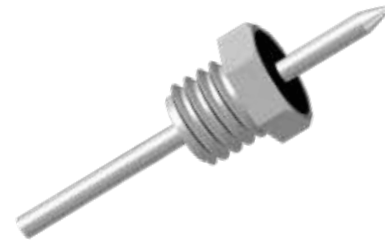
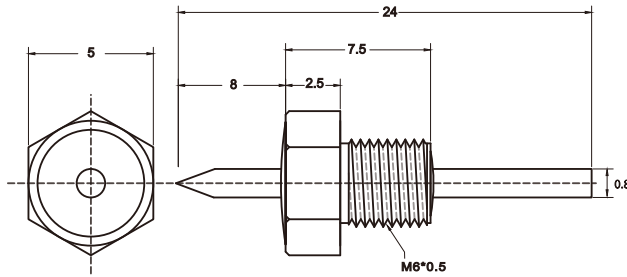
S14 M10 Series:



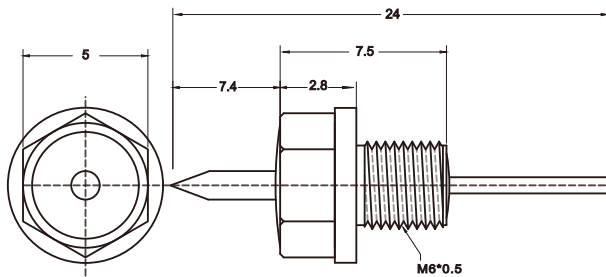
Part Num.	Diel.	Plate	Rated Vol.		I	E.C.
			DC	AC		
L140100-004N	X7R	Nickel	-	500	20A	C

Cap.	Insertion Loss (dB)							
	10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
1000pF	-	-	-	5	20	35	40	

Resin Sealed Bolt-in Filters (special)

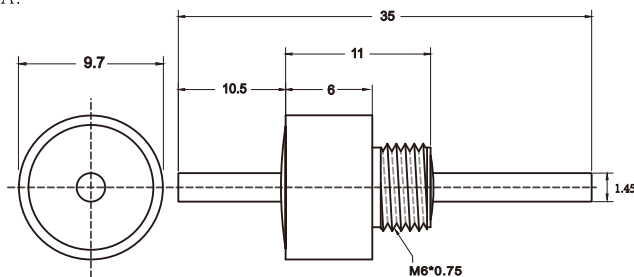


Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
L5060-001	X7R	Silver	200	-	10A	1500PF	C	-	-	-	5	22	35	40	

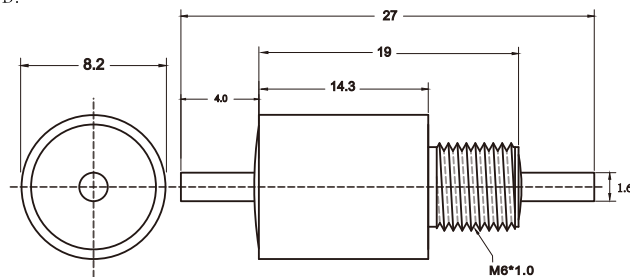


Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
L5060-001A	X7R	Silver	200	-	10A	1500PF	C	-	-	-	5	22	35	40	

A.

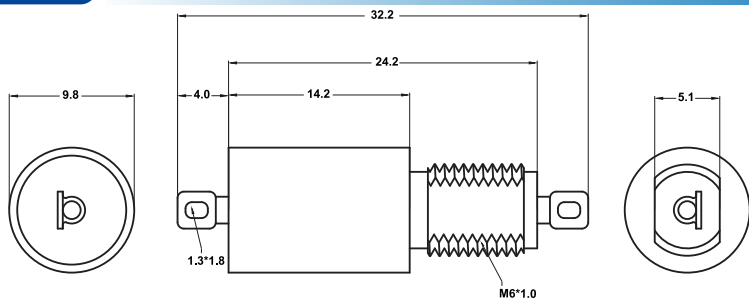


B.

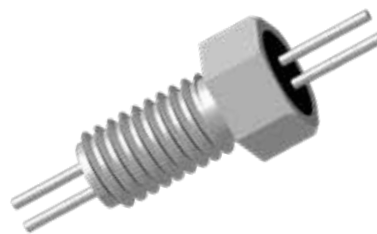
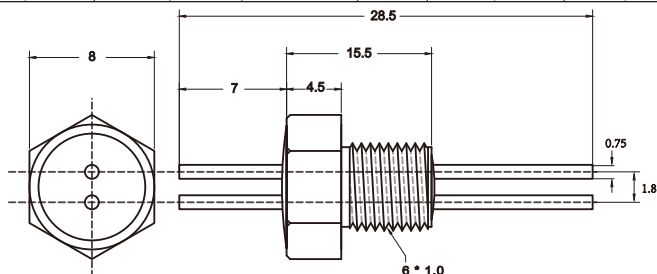


Part Num.	Size	Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
				DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
L8260-001	B	X7R	Gold	50	-	15A	58000pF	C	-	-	15	34	45	60	≥60	
L8260-002	B	X7R	Gold	50	-	15A	680000pF	C	5	20	35	50	62	65	≥70	
L9860-001	A	X7R	Silver	100	-	15A	1.5μF	C	10	26	42	57	70	75	≥80	

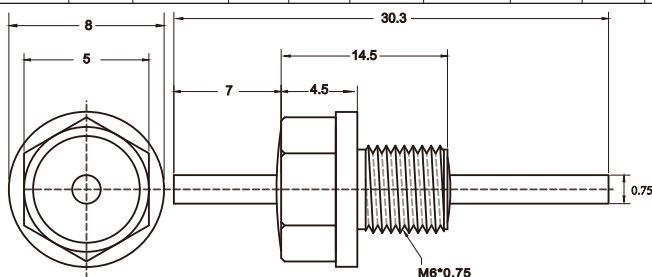
Resin Sealed Bolt-in Filters (special)



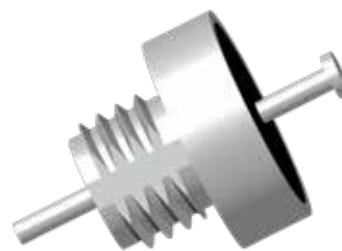
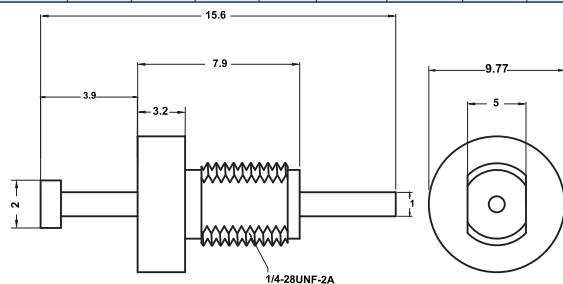
Part Num.	Size				Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	L	L1	L2	M			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L9860-004	32.2	24.2	14.2	M6*1.0	X7R	Silver	220	-	15A	0.2μF*2	PI	-	13	42	>70	>70	>70	>70
L9860-002	32.2	24.2	14.2	M6*1.0	X7R	Silver	80	-	15A	1.4μF*2	PI	12	29	65	>70	>70	>70	>70
L9860-003	32.2	24.2	14.2	M6*1.0	X7R	Silver	80	-	15A	4.0μF	C	23	35	55	65	70	75	≥80
L1/4-28UNF-2A-008A	17.5	9.3	4.5	1/4-28UNF-2A	X7R	Silver	80	-	15A	1.2μF	LC	4	22	42	62	70	>70	>70
L1/4-28UNF-2A-008	17.5	9.3	4.5	1/4-28UNF-2A	X7R	Silver	100	-	15A	1.4μF	LC	6	23	44	63	70	>70	>70



Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)										
			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ				
L8060-075	-	Silver	500	-	7A	<10pF	C	-	-	-	-	-	-	-	-	-	-	7



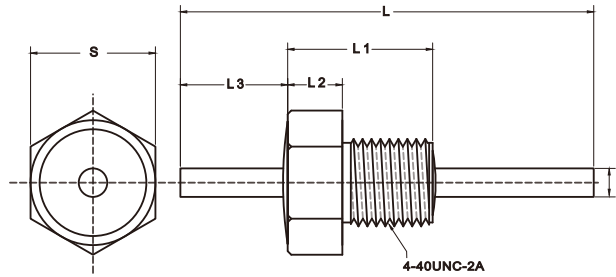
Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)									
			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ			
L8060-076	X7R	Silver	50	-	7A	0.05μF*2	PI	-	4	18	64	>70	>70	>70	>70	>70	>70
L8060-094	Y5U	Silver	200	-	7A	3000pF	C	-	-	-	10	25	38	45			



Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)									
			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ			
L1/4-28UNF-2A-001	X7R	Silver	50	-	15A	1.4μF	LC	6	23	44	63	70	>70	>70			

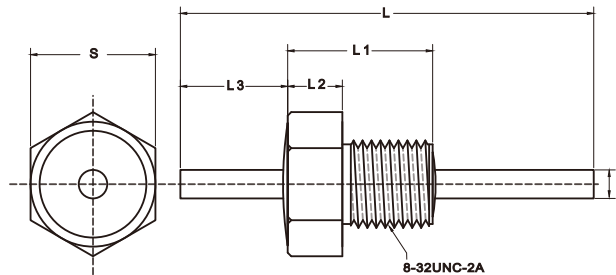
Resin Sealed Bolt-in Filters (UTS)

M4-40UNC-2A Series:



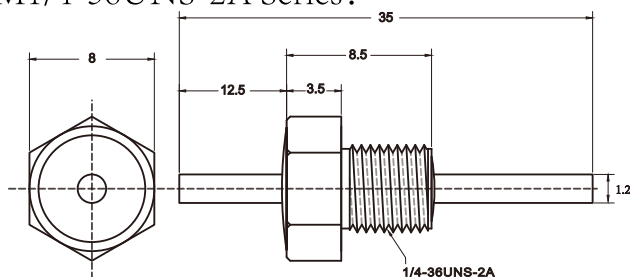
Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
	S	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz	
L4-40UNC-2A-016N	4.0	0.75	22	8.6	3	9	SL	Nickel	300	-	7A	100pF	LC	-	-	-	-	6	23	>70	
L4-40UNC-2A-017N	4.0	0.75	22	8.6	3	9	SL	Nickel	300	-	7A	500pF	LC	-	-	-	2	19	37	>70	
L4-40UNC-2A-002N	3.2	0.75	30.3	5.4	1.8	9.5	X7R	Nickel	100	-	10A	1000pF	C	-	-	-	5	20	35	40	
L4-40UNC-2A-011N	4.0	0.75	22	8.6	3	9	X7R	Nickel	300	-	7A	1200pF	LC	-	-	-	6	25	44	>70	
L4-40UNC-2A-008N	3.2	0.75	19	5.4	1.8	9	X7R	Nickel	100	-	7A	0.01μF	C	-	-	4	21	35	50	58	
L4-40UNC-2A-010N	4.0	0.75	22	8.6	3	9	X7R	Nickel	50	-	7A	0.01μF	LC	-	-	3	20	40	60	>70	
L4-40UNC-2A-001N	3.2	0.75	11.4	5.4	1.8	3	X7R	Nickel	50	-	10A	0.027μF	C	-	-	10	30	41	55	60	
L4-40UNC-2A-003N	3.2	0.75	30.3	5.4	1.8	9.5	X7R	Nickel	50	-	7A	0.1μF	C	-	5	22	40	47	65	≥65	

M8-32UNC-2A Series:



Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)							
	S	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz	
L8-32UNC-2A-017	4.75	0.8	30.3	9.2	2.4	7.5	KL	Silver	100	-	10A	125pF*2	PI	-	-	-	-	11	42	>70	
L8-32UNC-2A-010A	4.75	1	28.3	9.2	2.4	12.0	X7R	Silver	100	-	10A	1000pF	C	-	-	-	5	20	35	40	
L8-32UNC-2A-031	4.75	0.75	30.3	9.2	2.4	7	X7R	Silver	200	-	10A	1000pF*2	PI	-	-	-	10	44	68	>70	
L8-32UNC-2A-001	5	0.75	28.3	5.4	1.7	12.5	X7R	Silver	100	-	7A	1500pF*2	PI	-	-	-	13	51	>70	>70	
L8-32UNC-2A-003	5	1	28.3	5.1	1.52	12.5	Y5U	Silver	100	-	10A	2000pF	C	-	-	-	6	23	35	40	
L8-32UNC-2A-030	4.75	1.2	28.3	9.2	2.4	11	Y5U	Silver	100	-	15A	2700pF	C	-	-	-	10	25	38	45	
L8-32UNC-2A-012A	4.75	0.8	30.3	9.2	2.4	7.5	Y5U	Silver	200	-	7A	2750pF*2	PI	-	-	-	18	60	>70	>70	
L8-32UNC-2A-008	5	1	28.3	5.1	1.52	12.5	X7R	Silver	200	-	10A	500pF	C	-	-	-	10	28	35		
L8-32UNC-2A-028	4.75	1	28.3	9.2	2.4	12	X7R	Silver	50	-	10A	0.27μF	C	-	10	29	47	60	65	≥70	

S8 M1/4-36UNS-2A Series:



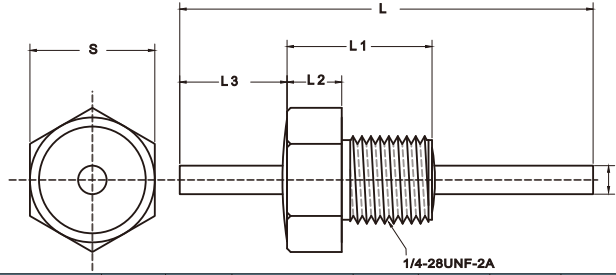
Part Num.	Diel.	Plate	Rated Vol.		I	E.C.
			DC	AC		
L1/4-36UNS-2A-001N	X7R	Silver	100	-	15A	C

Cap.	Insertion Loss (dB)							
	10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz	
1000pF	-	-	-	5	20	35	40	

Resin Sealed Bolt-in Filters (UTS)

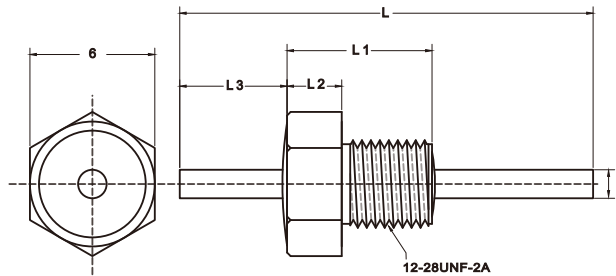


M1/4-28UNF-2A Series:



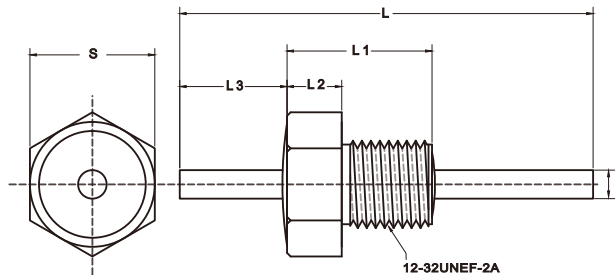
Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	S	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L1/4-28UNF-2A-007	8	1.3	25.4	12	6.4	6.7	SL	Silver	500	-	25A	100pF	C	-	-	-	-	3	20	27
L1/4-28UNF-2A-016	9.5	1	18.8	11.7	3.8	3.3	X7R	Silver	400	-	15A	0.12μF	C	-	5	22	40	47	65	≥65
L1/4-28UNF-2A-012	10	1	15.6	7.9	3.2	3.9	X7R	Silver	100	-	15A	0.5μF	LC	-	-	17	38	51	70	>70
L1/4-28UNF-2A-009	9.8	1.2	27.0	19	14.2	4	X7R	Silver	80	-	15A	1.4μF*2	PI	12	29	65	>70	>70	>70	>70
L1/4-28UNF-2A-010	9.8	1.2	27	19	14.2	4	X7R	Silver	80	-	15A	4.0μF	C	23	35	55	65	70	75	≥80

S6 M12-28UNF-2A Series:



Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L12-28UNF-2A-003	0.8	28.3	12	4	7	X7R	Silver	-	150	7A	3000pF*2	PI	-	-	-	20	62	>70	>70
L12-28UNF-2A-006A	1.3	25.4	12	4	6.35	X7R	Silver	500	-	20A	10000pF	C	-	-	4	21	35	50	58

M12-32UNEF-2A Series:

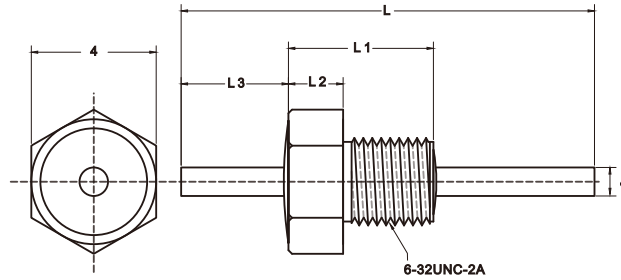


Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	S	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L12-32UNEF-2A-003N	6	1	52	10	4	12.5	-	Nickel	500	-	10A	-	-	-	-	-	-	-	-	-
L12-32UNEF-2A-001	7.45	0.75	29	17.5	7.2	5	X7R	Silver	70	-	10A	0.05μF*2	PI	-	4	18	64	>70	>70	>70

Resin Sealed Bolt-in Filters (UTS)

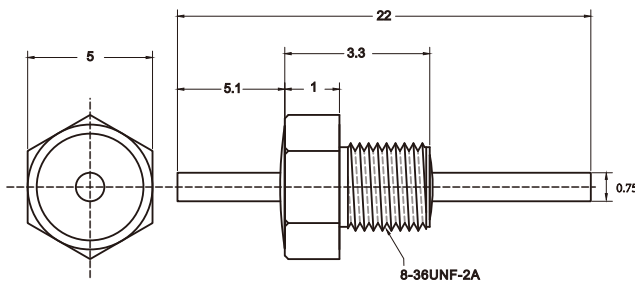


S4 M6-32UNC-2A Series:



Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L6-32UNC-2A-001	0.7	30.3	9.1	3.2	8.3	X7R	Silver	200	-	10A	330pF	LC	-	-	-	-	15	34	>70
L6-32UNC-2A-003	0.75	30.3	9.1	3.2	8.3	X7R	Silver	25	-	7A	0.1μF	C	-	5	22	40	47	65	≥65

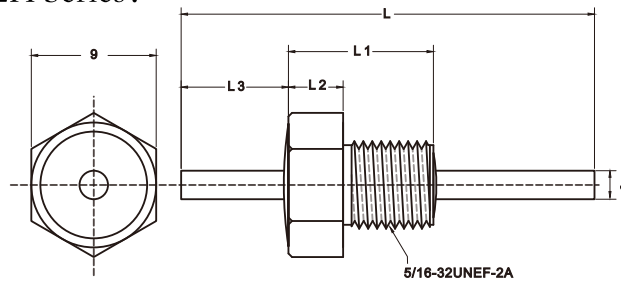
S5 M8-36UNF-2A Series:



Part Num.	Diel.	Plate	Rated Vol.		I	E.C.
			DC	AC		
L8-36UNF-2A-001	X7R	Silver	200	-	7A	C

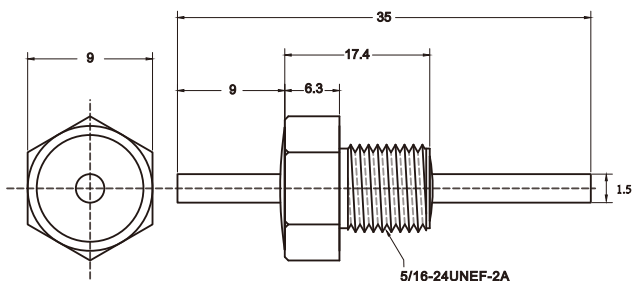
Cap.	Insertion Loss (dB)						
	10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
100pF	-	-	-	-	3	20	27

S9 M5/16-32UNEF-2A Series:



Part Num.	Size					Diel.	Plate	Rated Vol.		I	Cap.	E.C.	Insertion Loss (dB)						
	d	L	L1	L2	L3			DC	AC				10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
L5/16-32UNEF-2A-002A	1.5	35	17.4	6.3	9	X7R	Silver	300	-	20A	1500pF*2	PI	-	-	-	13	51	>70	>70
L5/16-32UNEF-2A-001A	1.5	35	17.4	6.3	9	X7R	Silver	700	-	25A	2000pF*2	PI	-	-	-	15	55	>70	>70
L5/16-32UNEF-2A-005	1.5	35	17.4	6.3	8.5	X7R	Silver	700	-	20A	3000pF*2	PI	-	-	-	20	62	>70	>70

S9 M5/16-24UNEF-2A Series:



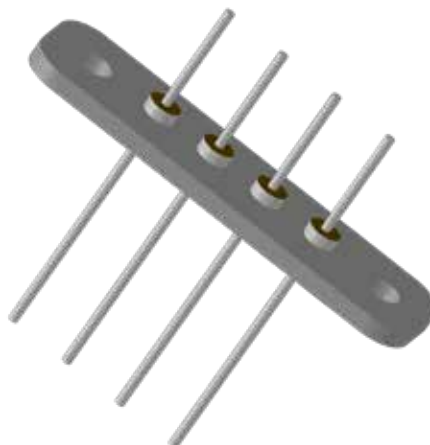
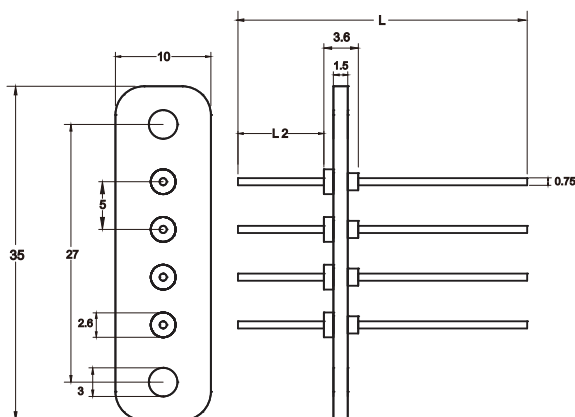
Part Num.	Diel.	Plate	Rated Vol.		I	E.C.
			DC	AC		
L5/16-24UNEF-2A-006	X7R	Silver	500	350	25A	PI

Cap.	Insertion Loss (dB)						
	10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
1000pF*2	-	-	-	10	44	68	>70

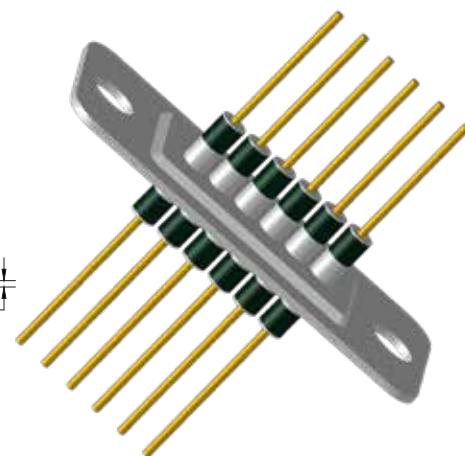
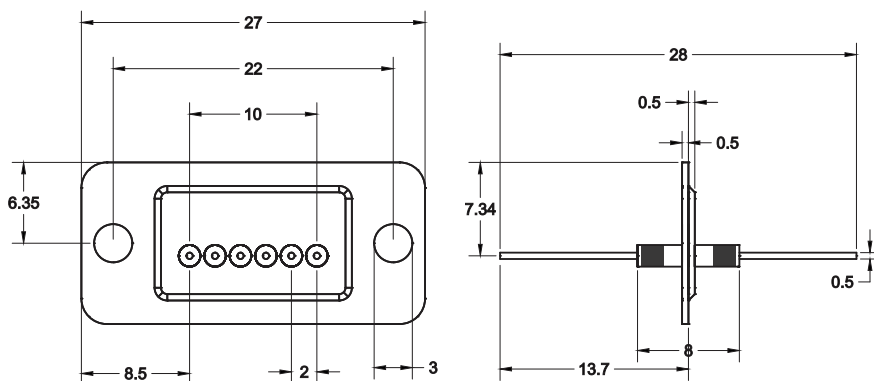
Filtered Arrays



Filtered Arrays

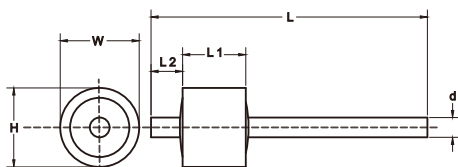


Part Num.	Size		Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	L	L2			DC	AC			10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
ZL350100-102*4-001	30	10	X7R	Tin	50	-	7A	1000pF*4	-	-	-	5	20	35	40
ZL350100-102*4-002	15.6	4	X7R	Tin	50	-	7A	1000pF*4	-	-	-	5	20	35	40

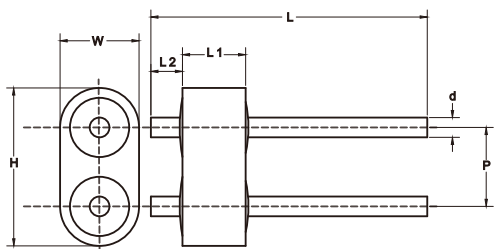


Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
			DC	AC			10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
ZL270127*402*6-001	Y5U	Silver	100	-	5A	4000pF*6	-	-	-	15	55	>70	>70

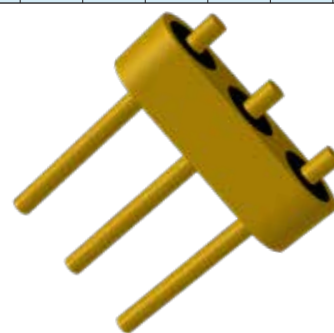
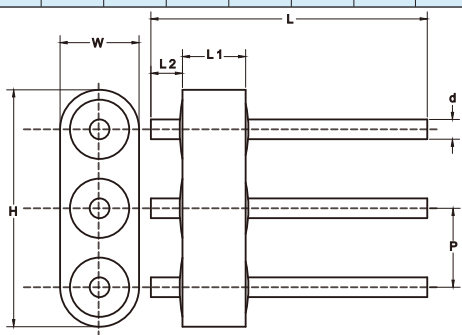
Miniature RF Filters



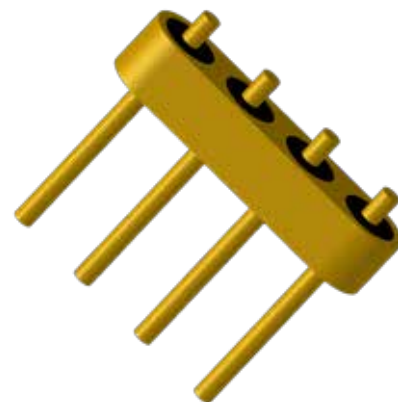
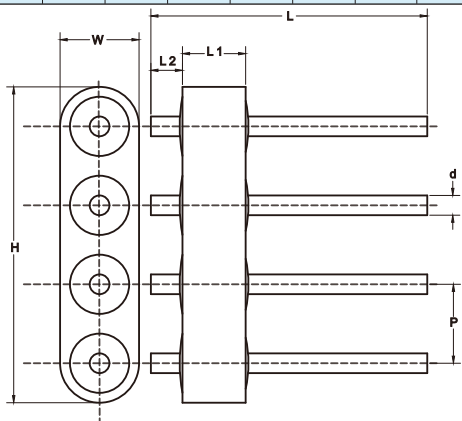
Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	H	W	d	L	L1	L2			DC	AC			10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
HA1515-001	1.5	1.5	0.5	3	1.4	0.8	X7R	Gold	20	-	7A	10pF	-	-	-	-	-	5	12
HA2020-002	2	2	0.5	7	1.6	0.8	X7R	Gold	20	-	7A	10pF	-	-	-	-	-	5	12



Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	H	W	P	d	L	L1	L2			DC	AC			10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
	HA2715-001	2.7	1.5	1.27	0.5	3	1.4			0.8	X7R			Gold	20	-	7A	10pF	-	-
HA4020-002	4	2	2	0.5	7	1.6	0.8	X7R	Gold	20	-	7A	10pF	-	-	-	-	-	5	12



Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	H	W	P	d	L	L1	L2			DC	AC			10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
	HA4015-001	4	1.5	1.27	0.5	3	1.4			0.8	X7R			Gold	20	-	7A	10pF	-	-
HA6020-002	6	2	2	0.5	7	1.6	0.8	X7R	Gold	20	-	7A	10pF	-	-	-	-	-	5	12



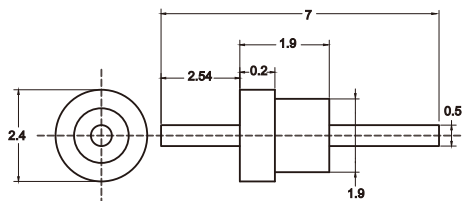
Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	H	W	P	d	L	L1	L2			DC	AC			10 KHZ	100 KHZ	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
	HA5315-001	5.3	1.5	1.27	0.5	3	1.4			0.8	X7R			Gold	20	-	7A	10pF	-	-
HA8020-002	8	2	2	0.5	7	1.6	0.8	X7R	Gold	20	-	7A	10pF	-	-	-	-	-	5	12

Note: Some models can be gold bonding, please consult our sales staff for details.

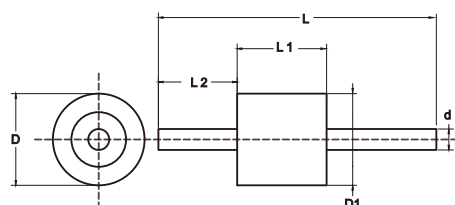
Hermetically Sealed Filters



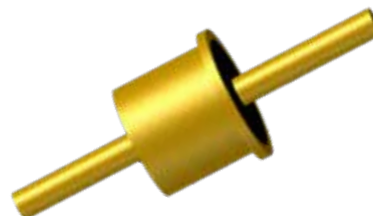
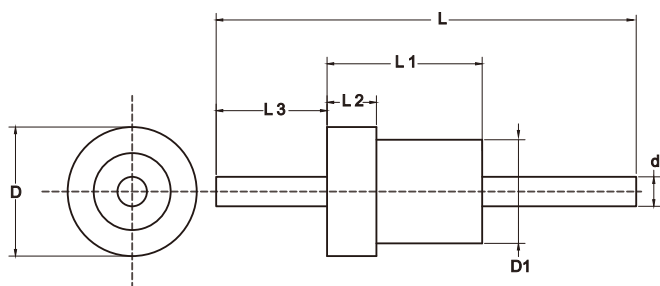
Hermetically Sealed Filters



Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)							
			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
HB2419-001	SL	Gold	200	-	7A	50pF	-	-	-	-	-	-	10	20
HB2419-002	SL	Gold	50	-	7A	5000pF	-	-	-	13	30	40	50	

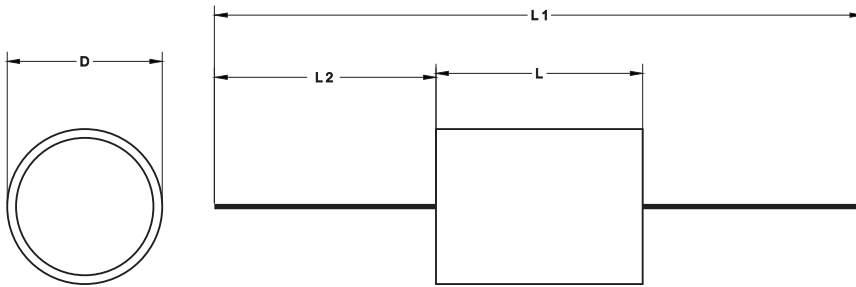


Part Num.	Size						Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
	D	D1	d	L	L1	L2			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
HB2020-001	2	2	0.7	11	2.5	5	SL	Gold	50	-	3A	100pF	-	-	-	-	3	20	27
HB2828-001	2.8	2.8	0.8	19	3	9	X7R	Gold	100	-	7A	0.01μF	-	-	4	21	35	50	58



Part Num.	Size							Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)							
	D	D1	d	L	L1	L2	L3			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ	
H3630-006	3.6	3	0.8	10.2	2.8	0.5	3.9	KL	Gold	200	-	7A	100pF	-	-	-	-	3	20	27	
H3630-004	3.6	3	0.8	10.2	2.8	0.5	3.9	X7R	Gold	100	-	7A	5000pF	-	-	-	13	30	40	50	
H3630-005A	3.55	3.05	0.75	10.2	2.8	0.25	3.9	X7R	Gold	50	-	5A	0.027μF	-	-	10	30	41	55	60	
H4033-022	4	3.3	0.8	16.8	2.8	0.5	6.8	SL	Gold	200	-	7A	25pF	-	-	-	-	8	15		
H4033-006	4	3.3	0.8	16.8	2.8	0.5	6.8	SL	Gold	200	-	7A	100pF	-	-	-	-	3	20	27	
H4033-005	4	3.3	0.8	16.8	2.8	0.5	6.8	X7R	Gold	100	-	7A	5000pF	-	-	-	13	30	40	50	
H4033-004	4	3.3	0.8	16.8	2.8	0.5	6.8	X7R	Gold	50	-	7A	10000pF	-	-	4	21	35	50	58	
H4033-033	4	3.3	0.75	15.9	2.8	0.5	6.7	X7R	Gold	50	-	7A	0.015μF	-	-	5	18	35	50	60	
H4033-014	4	3.3	0.8	16.8	2.8	0.5	6.8	X7R	Gold	50	-	7A	0.027μF	-	-	10	30	41	55	60	

Obbligato Premium Audio Capacitors

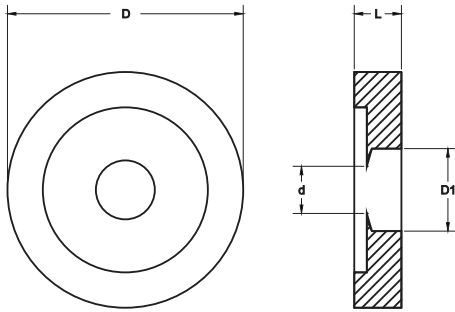


Part Num.	Size				Diel.	Plate	Rated Vol.		I	Cap.
	D	L	L1	L2			DC	AC		
TG1520-001	15	20	115	45	CBB20	-	630	-	7A	0.047 μ F
TG1520-002	15	20	115	45	CBB20	-	630	-	7A	0.1 μ F
TG1530-001	15	30	120	45	CBB20	-	630	-	7A	0.15 μ F
TG1530-002	15	30	125	45	CBB20	-	630	-	7A	0.22 μ F
TG1530-003	15	30	135	50	CBB20	-	630	-	7A	0.33 μ F
TG2030-001	20	30	135	50	CBB20	-	630	-	7A	0.47 μ F
TG2030-002	20	30	135	50	CBB20	-	630	-	7A	0.68 μ F
TG2030-003	20	30	185	75	CBB20	-	630	-	7A	1 μ F
TG2040-001	20	40	140	50	CBB20	-	630	-	7A	1.5 μ F
TG2040-002	20	40	200	80	CBB20	-	630	-	7A	2.2 μ F
TG3055-001	30	55	155	50	CBB20	-	630	-	7A	3.3 μ F
TG3055-002	30	55	200	70	CBB20	-	630	-	7A	4.7 μ F
TG3055-003	30	55	200	70	CBB20	-	630	-	7A	6.8 μ F
TG3055-004	30	55	300	120	CBB20	-	630	-	7A	10 μ F
TG3055-005	30	55	220	80	CBB20	-	630	-	7A	15 μ F
TG4565-001	45	65	210	70	CBB20	-	250	-	7A	22 μ F
TG4565-002	45	65	300	110	CBB20	-	250	-	7A	33 μ F
TG4565-003	45	65	290	110	CBB20	-	250	-	7A	47 μ F

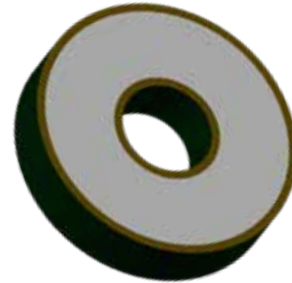
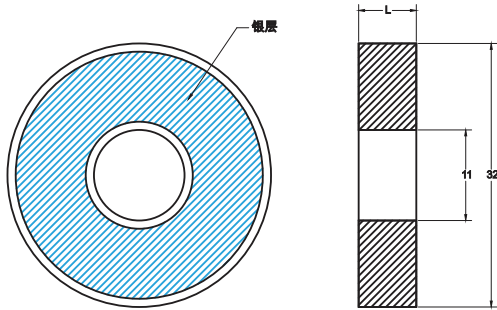
Discoidal Capacitors



Discoidal Capacitor (Single)

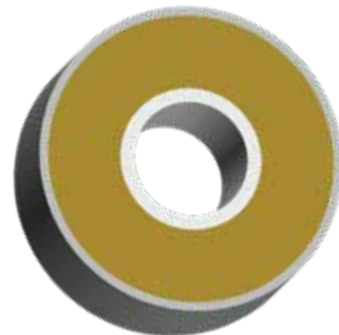
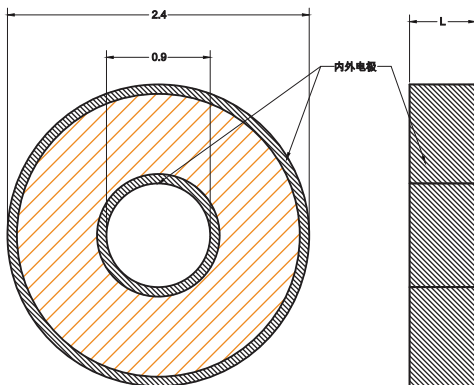


Part Num.	Size				Diel.	Plate	Rated Vol.		Cap.	Insertion Loss (dB)						
	D	D1	d	L			DC	AC		10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
HX12-001	20	7	5	5.2	Y5V	Tin	-	500	4700pF	-	-	-	13	30	40	50
HX12-002	20	7	5	4	Y5V	Tin	-	500	6800pF	-	-	-	15	30	42	50
HX12-003	17	7	5	3.9	Y5V	Tin	-	500	4700pF	-	-	-	13	30	40	50



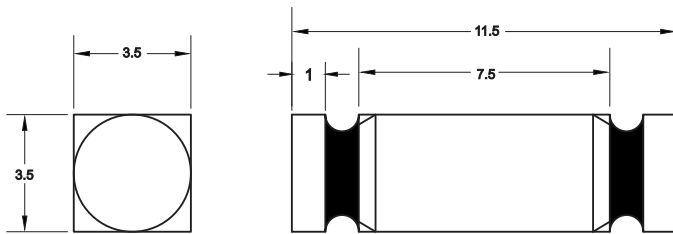
Part Num.	Size			Diel.	Plate	Rated Vol.		Cap.	Insertion Loss (dB)						
	D	d	L			DC	AC		10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
HZ320320-002	32	11	7	SL	Silver	1000	-	60pF~65pF	-	-	-	-	-	12	23
HZ320320-006	32	11	6.5	SL	Silver	1000	-	75pF	-	-	-	-	-	15	25
HZ320320-001	32	11	7	Y5U	Silver	1000	-	4700pF	-	-	-	13	30	40	50
HZ450125-001	45	12.5	10.5	SL	Silver	4000	-	145pF	-	-	-	-	4	20	28

Discoidal Capacitor (Multilayer)

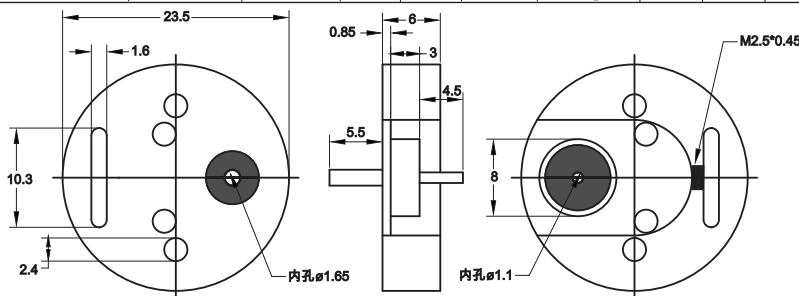


Part Num.	L	Diel.	Plate	Rated Vol.		Cap.	Insertion Loss (dB)						
				DC	AC		10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
D24-100V502-001	1	X7R	Silver	100	-	5000pF	-	-	-	13	30	40	50
D24-100V103-001	1	X7R	Silver	100	-	0.01μF	-	-	4	21	35	50	58
D24-100V153-001	1.2	X7R	Silver	100	-	0.015μF	-	-	5	18	35	50	60
D24-100V273-001	1.2	X7R	Silver	100	-	0.027μF	-	-	10	30	41	55	60

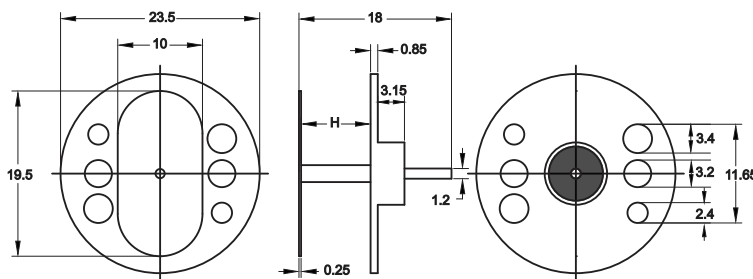
Special Feedthrough Filters



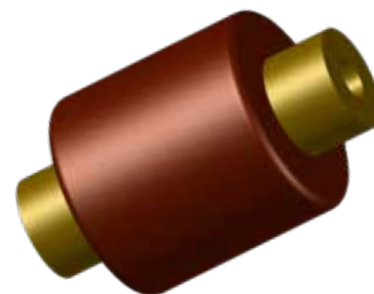
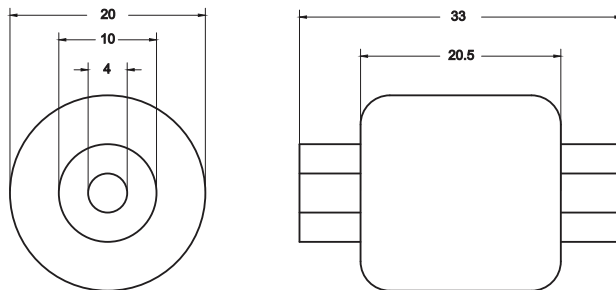
Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
T11535-001	X7R	Silver	100	-	10A	11000pF*2	-	-	9	37	>70	>70	>70



Part Num.	Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
			DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
T235115-001	X7R	Silver	100	-	15A	250pF	-	-	-	-	4	22	30



Part Num.	H	Diel.	Plate	Rated Vol.		I	Cap.	Insertion Loss (dB)						
				DC	AC			10 KHZ	100 KHZ	1 MHZ	10 MHZ	100 MHZ	1 GHZ	10 GHZ
T235180-002	8.2	DL	Silver	100	-	15A	150pF	-	-	-	-	4	20	28
T235180-001	7.8	X7R	Silver	100	-	15A	500pF	-	-	-	-	10	28	35



Part Num.	Diel.	Rated Vol.		I	Cap.
		DC	AC		
T200330-001	SL	15000	-	40A	200pF



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