ID Comm, Inc.

Intelligent Wireless Identification™

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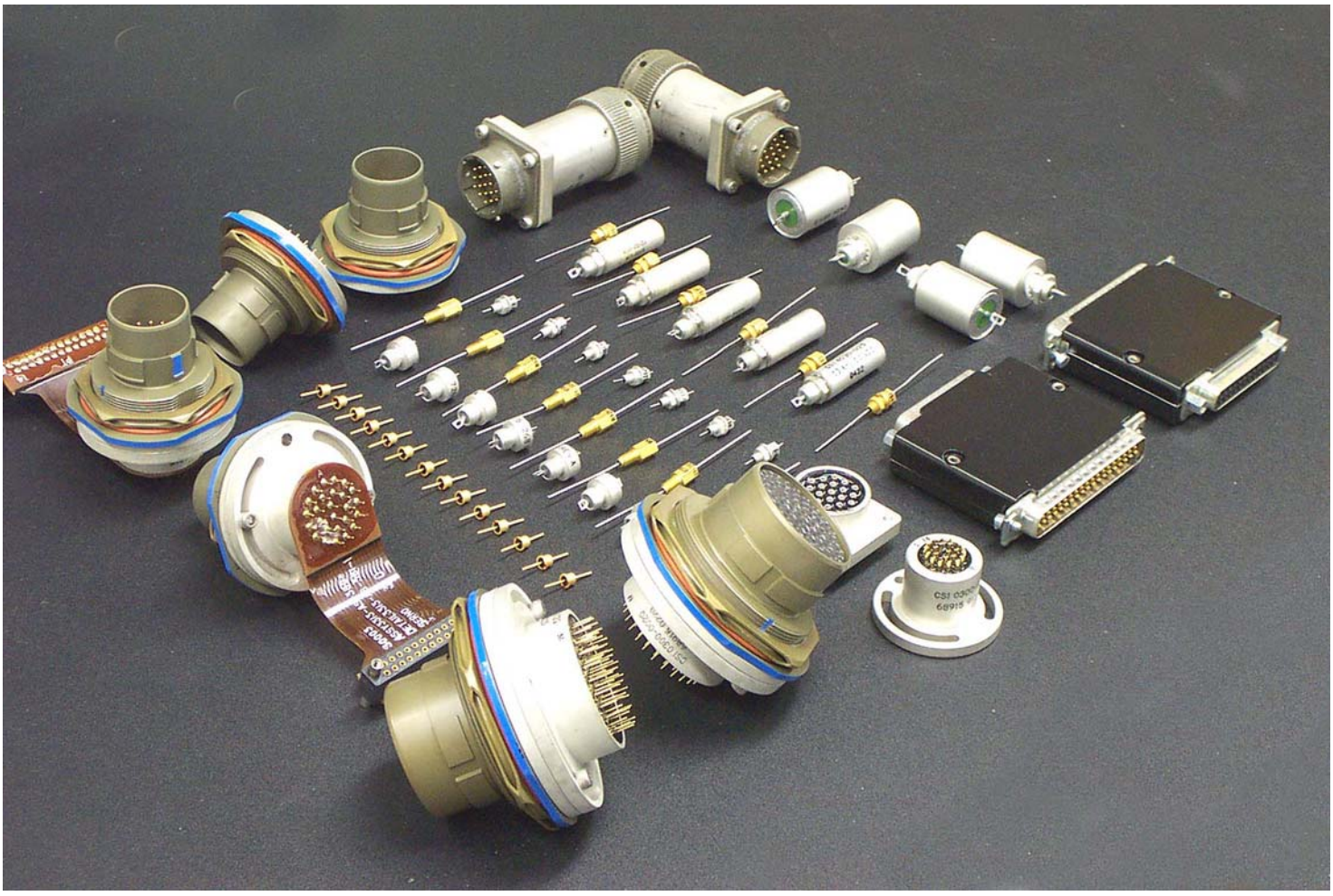


IDComm, Inc. is a leading manufacturer of ceramic capacitors, EMI, RFI filters and filter networks to suppress electromagnetic interference.

We are offering:

• High quality components

• Competitive pricing

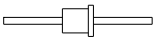
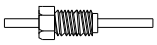
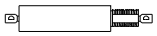
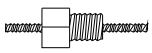
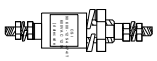
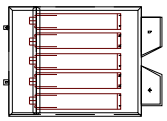
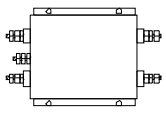
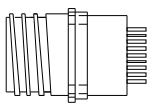
• Fast deliveries

• Design and technical assistance

In addition to our integral quality assurance process, we offer testing in compliance with MIL-STD-202, MIL-STD-F-15733 AND F-28861.

The products outlined in this web site represent a cross section of INSTEC's capacitor and filter line. There are many more styles and variations available. For additional information, please contact our local sales representative or our engineering department in Santa Clarita CA 661.250.4081.

SELECTION GUIDE

	Series / Size	Circuit Type	DC / AC Voltage Rating	Max Amp Rating	CAP Range	Description / Applications	Seal Type	Finish
	**S0/ S1** Solder-In	C, L	DC 5-250	15	0 - 33,000pF	Microwave applications such as Hermetic ASIC's, Hybrids, etc…	Epoxy/ Glass or Glass/ Epoxy	Au
	**NE** 4-40 (3)	C, L		10			Epoxy	
	**AE** 6-32 (3.5)	C,L	DC 5-250	10	5pF - .27uF	DC Power line filters for Telecommunications and microwave equipment along with industrial control systems and multi-circuit filter assemblies	Epoxy	Sn, Sn/Pb, Ag, Au
	**BE** 8-32 (4)	C, L, Pi		15	5pF - .33uF			
	**DE** 12-32 (6)		DC 5-350	20	10pF - .6uF			
	**EH / EE** ¼-28 (10)	C, L1, L2, Pi, T, 2T	DC 5-3500	25	0.015 – 8uF	Power supplies and signal lines for Military and Industrial systems. High temp for down hole applications	Hermetic or Epoxy	
	**GH / GE** 5/16 24 (17)			50	0.015 – 12uF			
	**HE** 7/16 14	C, L1, L2, Pi	DC 25-3500	100	0.015 – 12uF	Medium Power filters for high performance small space Feedthru		
	**JH / JE** 7/16 14	C, L1, L2, Pi, T	AC 120-480	200	0.015 – 12uF	High power Bulkhead Feedthru	Epoxy	Sn, Sn/Pb, Ag, Zn, Ni
	**FS / FF**	Multi Element	AC 120-480 1-5 Line	2500	N/A	High Power Panel Mount		
	**MF**	Multi Element	AC 120-480 1-2 Line	50	N/A	Medium Power Panel Mount		
	**3000**	C, L1, L2, Pi, T	DC 25-500	50	N/A	38999 connectors and custom connectors	Hermetic or Epoxy	

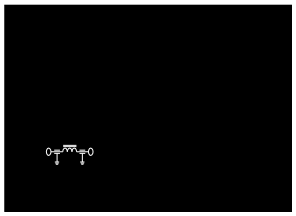
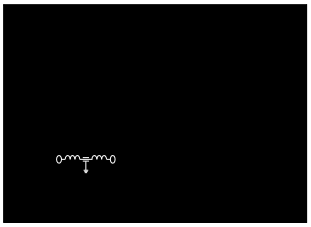
GENERAL
IDComm performance testing methods cover the physical parameters, quality acceptance and quality conformance test requirements.

PHYSICAL PARAMETERS
Marking (Filter body size permitting): IDComm part number and date code.

QUALITY ACCEPTANCE TEST REQUIREMENTS
Sampling Plan: Per MIL-PRF-15733, table 10.
Physical dimensions and workmanship: filters shall meet dimensions shown on part drawings. The devices shall be manufactured and processed in a careful and workmanlike manner in accordance with good design and sound practice.

TEST	MIL-STD-220A		POST TEST NOTES
	TEST No.	METHOD CONDITIONS	
Visual and Mechanical			
Material, Construction and Workmanship			In accordance with applicable specs
Physical Dimensions & Marking			
Capacitance	305	1kHz, 2.5Vrms max. @ 25°C	Per applicable Requirements
Dissipation Factor	305	2.5% Max	Per applicable Requirements
Inductance	306	1kHz, 2.5Vrms max. @ 25°C	Per applicable Requirements
Dielectric Withstanding Voltage	301	2.5 times Working Voltage for 5 sec and 50 mA Max.	No evidence of Damage or Breakdown
Insulation resistance	302	Working Voltage not to exceed 2min and 50 mA charge max.	Per applicable Requirements
Immersion	104	Method 1	Insulation Resistance: 500 MΩ
Seal (Hermetic Only)	112	Method A	No Leaks
Insertion Loss	220	No Load Condition Sample	Per applicable Requirements
Resistance to Solder Heat	210	Method B	
Thermal Shock	107	Method A	Insulation Resistance: 500 MΩ
Vibration	204	Method B for glass sealed. Method D for Epoxy sealed.	No mechanical damage and electrical characteristics are still correct
Shock	213	Method 1	No mechanical Damage and performance change
Life	108	Method D	No performance change
Burn In (as specified by PO)		48Hrs	No performance change
“R” Level Testing is available upon request			

Circuit Configurations and Information

C – Filter The C - Filter is a three terminal feed-thru capacitor. It is used to attenuate high frequency signals. Great for Power Supply isolation.	
L - Filter L-Filter consists of one inductive element and one capacitive element. L Filters can offer High Impedance or low impedance input depending upon their orientation of the circuit. These filters are most commonly used in application where one has high impedance source and a low impedance load (L1) or where one has a low impedance source and a high impedance load (L2).	 L1  L2
Pi - Filter A Pi - Filter contains two capacitive elements and one inductive element. It presents low impedance to both the source and the load, providing a better high frequency performance than the "C" or "L" configurations. Due to the possibility of "resonance",	
T - Filter A "T" Filter consists of 2 inductive elements and one capacitive element. This circuit presents a high impedance input from either end and can be used in applications where transient conditions may occur. It has similar performance to a Pi - Filter circuit without the characteristics "resonance" of Pi - Filters and can be used in switching applications.	
TT - Filter / Multi-Section Circuit INSTEC's multi element filters are designed for higher insertion loss in circuits with relatively low source and load impedance, as well as applications where a high degree of filtering is required.	

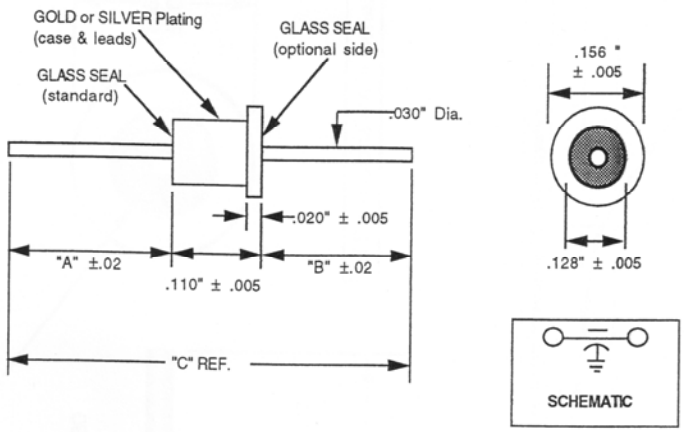
Part Numbering Chart for all Bolt on Filters

Series	Hermisticity	Series #	Style	Thrd Ingth	Voltage	Amps	Plating	Letter for Variance
N = 4-40	H = Hermetic	See Chart	PI = PI	A = .187	A = 50	01 = .1 Amp	N = 100% Sn	L- Pin Length
A = 6-32	E = Epoxy	XX = standard product	NT = T	B = .312	B = 100	50 = 50 Amp	L = Sn/Pb	P - Pin Head
B = 8-32		from charts	2T = Double T	C = .250	C = 200	99 = 100 Amp	G = Ag	H - Hooked lead
C = 10-32		ZZ = SCD or PO specific	TL = Threaded end L1	D = 4-40	D = 300		U = Au	M = PO specific
D = 12-32			RL = Case end L2	E = 6-32	E = 400		Z = Zink	
E = 1/4-28			NC = Cap Only	F = 8-32	F = 500			
G = 5/16-24				J = 12-32	G = 750			
H = 7/16-14					H = 1000			
					J = 2000			
					K = 3000			

Solder – In Filters

S0/S1 Series[1]

(S0 – Standard / S1 – Optional Reversed Glass Seal)



Miniature EMI Filters are ideal when small size and high performance are critical. They are an effective solution for applications like Low Noise Amplifiers, Oscillators, as well as Microwave Attenuators and Microwave Filters ASICs and Hybrids.

General Specifications, Case Material and Finish

Material and Finish:	Steel Case, Alloy 52 leads, overall Gold Plating as per MIL-G-45204 type II, Class Standard
Capacitance Tolerance:	Guaranteed Minimum Value (GMV)
Dissipation Factor:	2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.002Ω Max
Operating Temp:	-55°C - +125°C
Current Rating:	10A
Standard Lead Length[1]:	"A" = 0.250 "B" = 0.260

Ordering information S0A-222 = Slandered Case, 50WVDC, 2,200pF

Series	50V S0A-XXX	100V S0B-XXX	200V S0C-XXX	300V S0D-XXX	400V S0E-XXX
Capacitance in pF	5	5	5	5	5
	10	10	10	10	10
	30	30	30	30	30
	50	50	50	50	50
	100	100	100	100	100
	500	500	500	500	500
	1000	1000	1000	1000	1000
	1200	1200	1200	1200	
	2200	2200	2200	2200	
	2700	2700	2700		
	5000	5000			
	10000	10000			

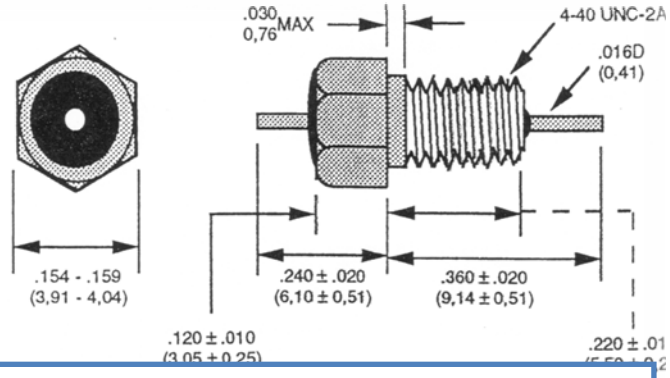
	15000	15000					
	22000						
	27000						
	33000						
Typical Insertion Loss		100kHz	500kHz	1MHz	10MHz	100MHz	1GHz	10GHz
Cap Value	500					15	35	40
	2700				10	25	45	60
	10000				20	35	50	60
	22000			1	27	41	60	70
	33000		1	15	35	45	70	70

[1] Custom Parts such as lead lengths are available Please Email info@csi-emi.com

NEXX - Series

This Series is only available in Epoxy

EMI Filters are ideal for applications small size and high performance critical needs where it is desired a threaded mounting technique. Their small case and their wide range of electrical characteristics make them the effective solution for many microwave applications.



Sample part number: **NE0BTLD-A10LL**
4-40 Case, Epoxy, "B" Denoted Filter, L1 Style, 4-40 thread, 50V, 10 Amps, Sn/Pb plated, Modified Lead Length

Schematic (C Type)

Schematic (L1 Type)

General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Lead:	½ Hard Copper with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available
Dissipation Factor:	2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.002Ω Max
Operating Temp:	-55°C - +125°C
Current Rating:	10A
Standard Lead Length[1]:	Standard Lead Per Drawing, Custom Leads are available for this Series. "P", "L" and must be noted on the PO
Marking:	Parts marked with the Capacitance Code. Example: **NE0BTLD-A10LL = 503**

"XX" Denotation	Filter Type	Rated Voltage	Rated DC Current	Minimum Capacitance pF	Typical Insertion Loss **"C"** Type				
					1MHz	10MHz	100MHz	1HHz	10GHz
A	C or L1	50	10A	10				10	25

B	C or L1	50	10A	5000		15	30	45	55
C	C or L1	50	10A	10000	3	20	35	50	60
D	C or L1	50	10A	27000	8	28	42	55	65
E	C or L1	100	10A	2700		10	25	40	50
F	C or L1	100	10A	4700		15	30	45	55
G	C or L1	100	10A	5600		15	30	45	55
H	C or L1	100	10A	10000		20	38	50	60
J	C or L1	100	10A	33000	10	30	45	55	65
K	C or L1	200	10A	5				3	8
L	C or L1	200	10A	10				5	20
M	C or L1	200	10A	100			3	20	28
N	C or L1	200	10A	500			15	35	40
O	C or L1	200	10A	1000	3	10	20	35	45
P	C or L1	200	10A	5000	6	15	33	40	50
R	C or L1	200	10A	10000	8	20	38	50	60

AEXX - Series

This Series is only available in Epoxy

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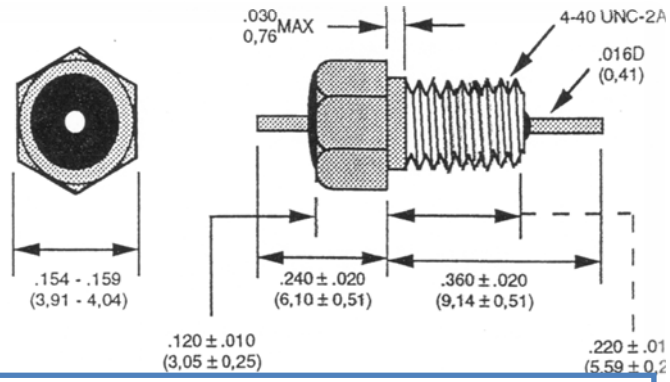


Schematic (C Type)

Schematic (L1 Type)

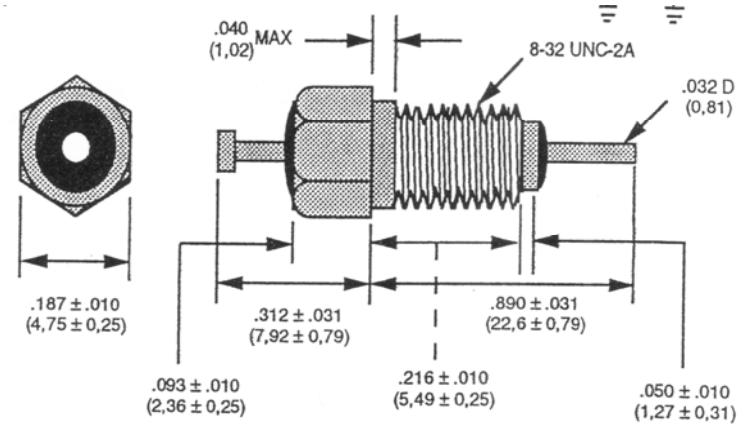
Sample part number: **AE0BTLD-A10LL**
6-32 Case, Epoxy, "B" Denoted Filter, L1 Style, 6-32 thread, 50V, 10 Amps, Sn/Pb plated, Modified Lead Length

General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Lead:	½ Hard Copper with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available
Dissipation Factor:	2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.002Ω Max
Operating Temp:	-55°C - +125°C
Current Rating:	10A
Standard Lead Length[1]:	Standard Lead Per Drawing, Custom Leads are available for this Series. "P", "L" and must be noted on the PO
Marking:	Parts marked with the Capacitance Code. Example: **AE0BTLD-A10LL = 503**

"XX"	Filter Type	Rated	Rated	Minimum	Typical Insertion Loss **"C"** Type

Denotation		Voltage	DC Current	Capacitance pF	1MHz	10MHz	100MHz	1HHz	10GHz
A	C or L1	50	10A	10				10	25
B	C or L1	50	10A	5000		15	30	45	55
C	C or L1	50	10A	10000	3	20	35	50	60
D	C or L1	50	10A	27000	8	28	42	55	65
E	C or L1	100	10A	2700		10	25	40	50
F	C or L1	100	10A	4700		15	30	45	55
G	C or L1	100	10A	5600		15	30	45	55
H	C or L1	100	10A	10000		20	38	50	60
J	C or L1	100	10A	33000	10	30	45	55	65
K	C or L1	200	10A	5				3	8
L	C or L1	200	10A	10				5	20
M	C or L1	200	10A	100			3	20	28
N	C or L1	200	10A	500			15	35	40
O	C or L1	200	10A	1000	3	10	20	35	45
P	C or L1	200	10A	5000	6	15	33	40	50



R	C or L1	200	10A	10000	8	20	38	50	60

BEXX - Series

This Series is only available in Epoxy

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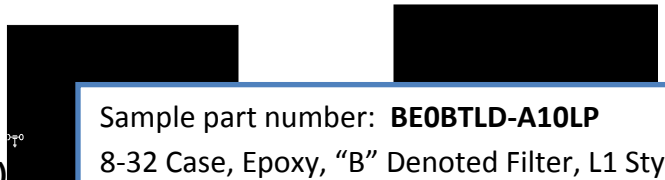
Schematic (C Type) **Schematic (L1 Type)**



Sample part number: **BE0BTLD-A10LP**
8-32 Case, Epoxy, "B" Denoted Filter, L1 Style, 8-32 thread, 50V, 10 Amps, Sn/Pb plated, Pin Head Lead

General Specifications, Case Material and Finish

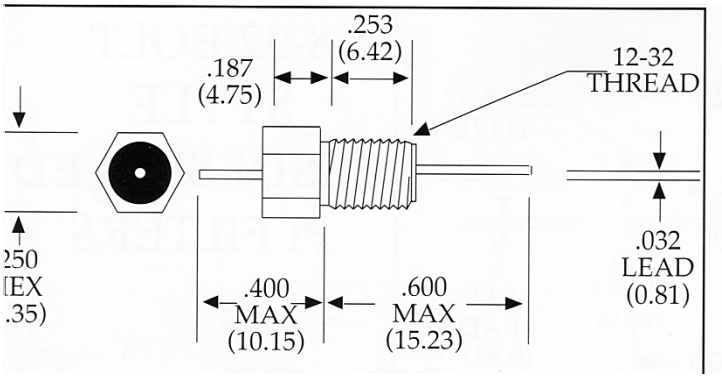
Material and Finish:	Brass with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Lead:	½ Hard Copper with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available
Dissipation Factor:	2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max

"XX" Denotation	Filter Type	Rated Voltage	Rated DC Current	Minimum Capacitance pF	Typical Insertion Loss **"C"** Type				
					1MHz	10MHz	100MHz	1HHz	10GHz
A	C or L1	50	10A	10				10	25
B	C or L1	50	10A	5000		15	30	45	55
C	C or L1	50	10A	10000	3	20	35	50	60
D	C or L1	50	10A	27000	8	28	42	55	65
E	C or L1	100	10A	100			10	20	30
F	C or L1	100	10A	1000		12	20	32	40
G	C or L1	100	10A	10000		20	38	50	60
H	C or L1	100	10A	27000	8	28	45	55	65
J	C or L1	100	10A	33000	10	30	45	55	65
K	C or L1	200	10A	5				3	8
L	C or L1	200	10A	10				5	20
M	C or L1	200	10A	100			5	20	28
N	C or L1	200	10A	500			15	35	40
O	C or L1	200	10A	1000	3	10	20	35	45
P	C or L1	200	10A	5000	6	15	33	40	50
R	C or L1	200	10A	10000	8	20	38	50	60

DEXX - Series

This Series is only available in Epoxy

EMI Filters are ideal for applications small size and high performance critical needs where it is desired a threaded mounting technique. Their small case and their wide range of electrical characteristics make them the effective solution for many small space power applications.



(C Type) **(L1 Type)** **(Pi Type)**

Sample part number: **DE0BTLD-A10LH**
12-32 Case, Epoxy, "B" Denoted Filter, L1 Style,
12-32 thread, 50V, 10 Amps, Sn/Pb plated,
Hooked Lead both ends

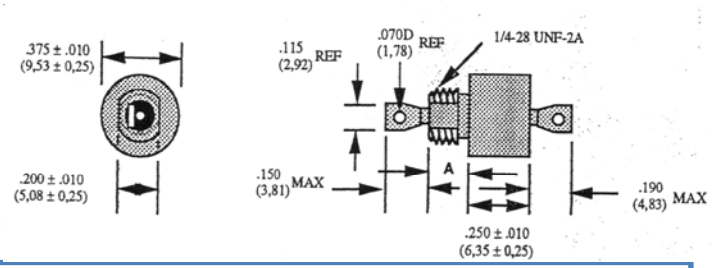
General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Lead:	½ Hard Copper with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available
Dissipation Factor:	2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max

"XX" Denotation	Filter Type	Rated Voltage	Rated DC Current	Minimum Capacitance pF	Typical Insertion Loss **(Pi Circuit)**				
					1MHz	10MHz	100MHz	1HHz	10GHz
A	C, L1, Pi	50	10A	5000		7	45	70	70
B	C, L1, Pi	50	10A	12000	6	27	68	70	70
C	C, L1, Pi	50	10A	25000	18	40	70	70	70
D	C, L1, Pi	50	10A	50000	40	60	70	70	70
E	C, L1, Pi	100	10A	1500		5	44	70	70
F	C, L1, Pi	100	10A	5000		7	45	70	70
G	C, L1, Pi	100	10A	10000	6	27	68	70	70
H	C, L1, Pi	100	10A	25000	18	40	70	70	70
J	C, L1, Pi	100	10A	40000	35	58	70	70	70
K	C, L1, Pi	200	10A	1500		5	44	70	70
L	C, L1, Pi	200	10A	3000		5	50	70	70
M	C, L1, Pi	200	10A	5500	3	14	60	70	70
N	C, L1, Pi	200	10A	10000	3	18	65	70	70
O	C, L1, Pi	200	10A	12000	6	27	68	70	70

EHXX – Series with Ferrite

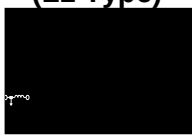
Hermetic Sealed Both Ends



EMI Filters are ideal for applications small size and high performance critical needs where it is desired a threaded mounting technique. Their small case and their wide range of electrical characteristics will perform in all Power applications.

(C Type))

(L1 Type)



Sample part number: **EH0BNCD-A10L**

¼-28 Case, Hermetic Sealed, "B" Denoted Filter, "C" Style, .187 thread, 50V, 15 Amps, Sn/Pb plated

General Specifications, Case Material and Finish

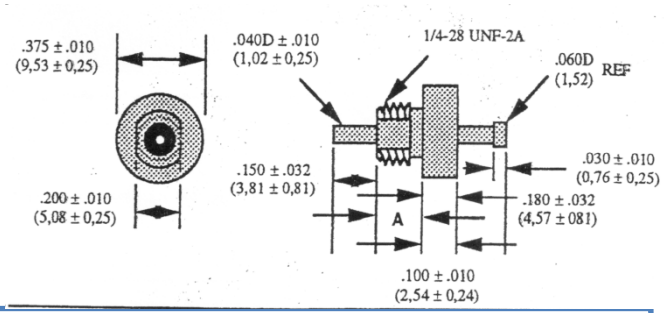
Material and Finish:	Brass with Standard Plating = Sn, Custom plating in Sn/Pb, Ag
Threaded Length:	"A" 0.187 or 0.312
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available such as ±20%
Capacitance Test:	Measured @ 1 KHz and 0.1 - 1 Vrms @ 25°C
Dissipation Factor:	2.5% @ 1 KHz and 0.1 - 1 Vrms @ 25°C Dissipation Factor: 2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max
Operating Temp:	-55°C - +125°C
Marking:	Parts marked p/n and date code
Burn-in:	48 Hours standard and extended times are available

"XX" Denotation	Filter Type	Rated Voltage	Rated Current	Minimum Cap Value uF	Typical Insertion Loss (C Style)							
					30 kHz	150 kHz	300 kHz	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
A	C, L1	50	15A	1.4	15	28	33	44	60	70	70	70
B	C, L1	50	15A	2.1	20	33	40	50	65	70	70	70
C	C, L1	50	15A	2.8	20	34	41	53	68	70	70	70
D	C, L1	50	15A	4.0	28	45	52	60	70	70	70	70
E	C, L1	100	15A	.45	6	19	25	36	40	60	70	70
F	C, L1	100	15A	.68	15	28	33	44	55	70	70	70
G	C, L1	100	15A	1.2	16	29	34	45	56	70	70	70
H	C, L1	100	15A	1.5	18	32	38	49	60	70	70	70
J	C, L1	100	15A	4.0	23	36	42	52	63	70	70	70
K	C, L1	200	15A	.015					5	44	70	70
L	C, L1	200	15A	.056				6	25	45	50	70
M	C, L1	200	15A	.15		10	16	26	36	48	70	70
N	C, L1	200	15A	.22		11	18	29	39	50	70	70
O	C, L1	200	15A	.25		12	20	31	41	51	60	70
P	C, L1	200	15A	.3		14	24	33	51	55	65	70
R	C, L1	200	15A	.5	5	18	28	39	55	70	70	70
S	C, L1	200	15A	1.0	8	20	31	41	58	65	70	70

EEX – Series with Ferrite

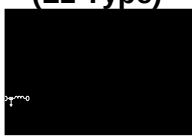
Epoxy Sealed Both Ends

Epoxy filled EMI Filters are ideal for applications small size and high performance critical needs where it is desired a threaded mounting technique. Their small case and their wide range of electrical characteristics will perform in all Power applications. High Current parts available to 25A.



Sample part number: **EE0BNCD-A10L**
¼-28 Case, Epoxy Sealed, "B" Denoted Filter, "C" Style, .187 thread, 50V, 15 Amps, Sn/Pb plated

(C Type)) **(L1 Type)**



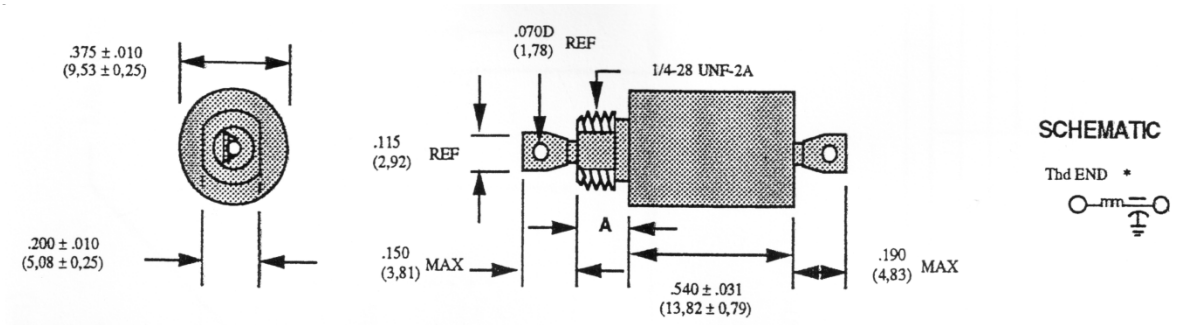
General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Sn, Custom plating in Sn/Pb, Ag
Threaded Length:	"A" 0.187 or 0.312
Lead:	½ Hard Copper with Standard Plating = Ag, Custom plating in Sn, Sn/Pb, Au
Standard Lead Length[1]:	Straight Lead, Custom Leads are available for this Series. "P", "L" and must be noted on the PO…
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available such as ±20%
Capacitance Test:	Measured @ 1 KHz and 0.1 - 1 Vrms @ 25°C
Dissipation Factor:	2.5% @ 1 KHz and 0.1 - 1 Vrms @ 25°C Dissipation Factor: 2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max
Operating Temp:	-55°C - +125°C

"XX" Denotation	Filter Type	Rated Voltage	Rated Current	Minimum Cap Value uF	Typical Insertion Loss (C Style)							
					30 kHz	150 kHz	300 kHz	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
A	C, L1	50	15A	1.4	15	28	33	44	60	70	70	70
B	C, L1	50	15A	2.1	20	33	40	50	65	70	70	70
C	C, L1	50	15A	2.8	20	34	41	53	68	70	70	70
D	C, L1	50	15A	4.0	28	45	52	60	70	70	70	70
E	C, L1	100	15A	.45	6	19	25	36	40	60	70	70
F	C, L1	100	15A	.68	15	28	33	44	55	70	70	70
G	C, L1	100	15A	1.2	16	29	34	45	56	70	70	70
H	C, L1	100	15A	1.5	18	32	38	49	60	70	70	70
J	C, L1	100	15A	4.0	23	36	42	52	63	70	70	70
K	C, L1	200	15A	.015					5	44	70	70
L	C, L1	200	15A	.056				6	25	45	50	70
M	C, L1	200	15A	.15		10	16	26	36	48	70	70
N	C, L1	200	15A	.22		11	18	29	39	50	70	70
O	C, L1	200	15A	.25		12	20	31	41	51	60	70
P	C, L1	200	15A	.3		14	24	33	51	55	65	70
R	C, L1	200	15A	.5	5	18	28	39	55	70	70	70
S	C, L1	200	15A	1.0	8	20	31	41	58	65	70	70

EHXX – Series with MPP wound Inductors

Hermetic Sealed Both Ends L1 and L2 configurations are available



Sample part number: **EHB1NCD-A10L**

¼-28 Case, Hermetic Sealed, "B" Denoted Filter, "C" Style, .187 thread, V, .25 Amps, Sn/Pb plated

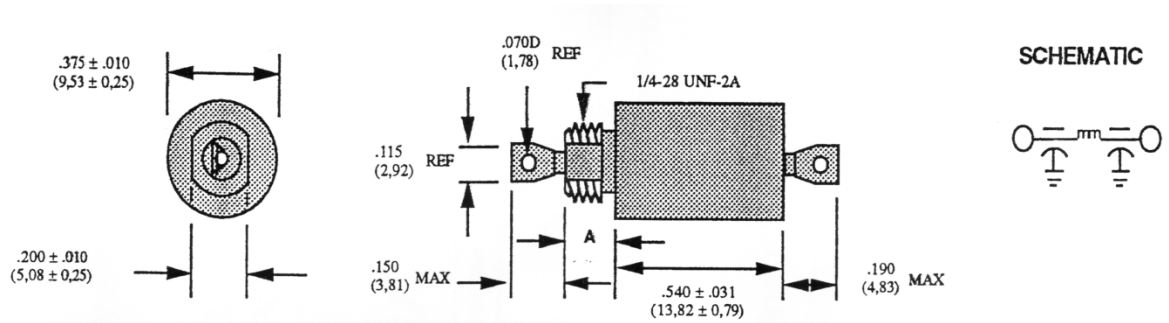
General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Sn, Custom plating in Sn/Pb, Ag
Threaded Length:	"A" 0.187 or 0.312
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available such as ±20%
Capacitance Test:	Measured @ 1 KHz and 0.1 - 1 Vrms @ 25°C
Dissipation Factor:	2.5% @ 1 KHz and 0.1 - 1 Vrms @ 25°C Dissipation Factor: 2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max
Operating Temp:	-55°C - +125°C
Marking:	Parts marked p/n and date code
Burn-in:	48 Hours standard and extended times are available

"XX" Denotation	Filter Type	Rated Voltage	Rated Current Amps	Max DC Resistance Ω	Typical Insertion Loss (C Style)							
					30 kHz	150 kHz	300 kHz	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
A1	L1, L2	50	0.10	10	34	62	70	70	70	70	70	70
B1	L1, L2	50	0.25	4	25	53	65	70	70	70	70	70
C1	L1, L2	50	0.50	1	16	41	54	70	70	70	70	70
D1	L1, L2	50	1.00	.25	15	31	42	63	70	70	70	70
E1	L1, L2	50	2.00	.063	13	28	35	51	70	70	70	70
F1	L1, L2	50	3.00	.027	11	25	33	44	68	70	70	70
G1	L1, L2	50	10.00	.003	8	20	30	41	63	70	70	70
H1	L1, L2	100	0.10	10	34	62	70	70	70	70	70	70
J1	L1, L2	100	0.25	4	25	53	65	70	70	70	70	70
K1	L1, L2	100	0.50	1	16	41	54	70	70	70	70	70
L1	L1, L2	100	1.00	.25	15	31	42	63	70	70	70	70
M1	L1, L2	100	2.00	.063	13	28	35	51	70	70	70	70
N1	L1, L2	100	3.00	.027	11	25	33	44	68	70	70	70
O1	L1, L2	100	10.00	.003	8	20	30	41	63	70	70	70
P1	L1, L2	200	0.10	10	14	42	54	70	70	70	70	70
R1	L1, L2	200	0.25	4	6	32	44	65	70	70	70	70
S1	L1, L2	200	0.50	1		23	35	56	70	70	70	70
T1	L1, L2	200	1.00	.25		10	21	41	70	70	70	70
U1	L1, L2	200	2.00	.063		8	14	30	70	70	70	70
X1	L1, L2	200	3.00	.027		6	11	26	64	70	70	70
Y1	L1, L2	200	10.00	.003		3	9	25	45	70	70	70

EHXX – Series with MPP wound Inductors

Hermetic Sealed Both Ends Pi Filters



Sample part number: **EHB2NCD-A10L**

¼-28 Case, Hermetic Sealed, "B" Denoted Filter, "C" Style, .187 thread, V, .25 Amps, Sn/Pb plated

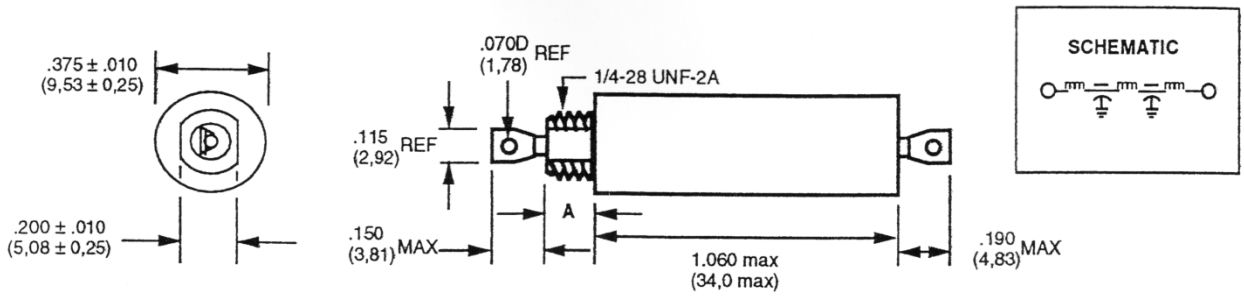
General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Sn, Custom plating in Sn/Pb, Ag
Threaded Length:	"A" 0.187 or 0.312
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available such as ±20%
Capacitance Test:	Measured @ 1 KHz and 0.1 - 1 Vrms @ 25°C
Dissipation Factor:	2.5% @ 1 KHz and 0.1 - 1 Vrms @ 25°C Dissipation Factor: 2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max
Operating Temp:	-55°C - +125°C
Marking:	Parts marked p/n and date code
Burn-in:	48 Hours standard and extended times are available

"XX" Denotation	Filter Type	Rated Voltage	Rated Current Amps	Max DC Resistance Ω	Typical Insertion Loss (C Style)							
					30 kHz	150 kHz	300 kHz	1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
A2	Pi	50	0.10	10	44	70	70	70	70	70	70	70
B2	Pi	50	0.25	4	36	70	70	70	70	70	70	70
C2	Pi	50	0.50	1	24	66	70	70	70	70	70	70
D2	Pi	50	1.00	.25	15	54	70	70	70	70	70	70
E2	Pi	50	2.00	.063	13	40	60	70	70	70	70	70
F2	Pi	50	3.00	.027	11	30	50	70	70	70	70	70
G2	Pi	50	10.00	.003	10	28	34	40	52	70	70	70
H2	Pi	100	0.10	10	44	70	70	70	70	70	70	70
J2	Pi	100	0.25	4	36	70	70	70	70	70	70	70
K2	Pi	100	0.50	1	24	66	70	70	70	70	70	70
L2	Pi	100	1.00	.25	15	54	70	70	70	70	70	70
M2	Pi	100	2.00	.063	13	40	60	70	70	70	70	70
N2	Pi	100	3.00	.027	11	30	50	70	70	70	70	70
O2	Pi	100	10.00	.003	10	28	34	40	52	70	70	70
P2	Pi	200	0.10	10	21	60	70	70	70	70	70	70
R2	Pi	200	0.25	4	8	50	66	70	70	70	70	70
S2	Pi	200	0.50	1		40	56	70	70	70	70	70
T2	Pi	200	1.00	.25		23	43	70	70	70	70	70
U2	Pi	200	2.00	.063		18	33	63	70	70	70	70
X2	Pi	200	3.00	.027		14	25	54	70	70	70	70
Y2	Pi	200	10.00	.003		11	20	30	48	69	70	70

EHXX – Series with Ferrites

Hermetic Sealed Both Ends Multi T Filters



Sample part number: **EHB3NCD-A10L**

¼-28 Case, Hermetic Sealed, "B" Denoted Filter, "C" Style, .187 thread, V, .25 Amps, Sn/Pb plated

General Specifications, Case Material and Finish

Material and Finish:	Brass with Standard Plating = Sn, Custom plating in Sn/Pb, Ag
Threaded Length:	"A" 0.187 or 0.312
Capacitance Tolerance:	Guaranteed Minimum Value (GMV) Special Cap tolerances are available such as ±20%
Capacitance Test:	Measured @ 1 KHz and 0.1 - 1 Vrms @ 25°C
Dissipation Factor:	2.5% @ 1 KHz and 0.1 - 1 Vrms @ 25°C Dissipation Factor: 2.5%
Insulation Resistance:	10,000 MΩ or 1,000 MΩ / uF @ 25°C, WVDC
Dielectric Strength:	DWV 250% Rated Voltage for 5 Seconds @ 50mA Charge
DC Resistance:	0.005Ω Max
Operating Temp:	-55°C - +125°C
Marking:	Parts marked p/n and date code
Burn-in:	48 Hours standard and extended times are available

"XX" Denotation	Filter Type	Rated Voltage	Rated Current Amps	Max DC Resistance Ω	Typical Insertion Loss (C Style)							
					10 kHz	140 kHz	30 kHz	150 kHz	300 kHz	500 kHz	1 MHz	10 GHz
A3	Multi T	50	0.10	18	40	60	70	70	70	70	70	70
B3	Multi T	50	0.25	12	30	50	70	70	70	70	70	70
C3	Multi T	50	0.50	3		20	53	65	70	70	70	70
D3	Multi T	50	1.00	.75			20	55	70	70	70	70
E3	Multi T	50	2.00	.2				42	62	70	70	70
F3	Multi T	50	3.00	.085				33	54	70	70	70
G3	Multi T	50	10.00	.008	7	9	15	29	35	39	42	70
H3	Multi T	100	0.10	18	40	60	70	70	70	70	70	70
J3	Multi T	100	0.25	12	30	50	70	70	70	70	70	70
K3	Multi T	100	0.50	3		20	53	65	70	70	70	70
L3	Multi T	100	1.00	.75			20	55	70	70	70	70
M3	Multi T	100	2.00	.2				42	62	70	70	70
N3	Multi T	100	3.00	.085				33	54	70	70	70
O3	Multi T	100	10.00	.008	7	9	15	29	35	39	42	39
P3	Multi T	200	0.10	18		18	65	70	70	70	70	70
R3	Multi T	200	0.25	12		10	53	70	70	70	70	70
S3	Multi T	200	0.50	3			17	66	70	70	70	70
T3	Multi T	200	1.00	.75				32	70	70	70	70
U3	Multi T	200	2.00	.2				6	55	70	70	70
X3	Multi T	200	3.00	.085				3	42	68	70	70
Y3	Multi T	200	10.00	.008			5	14	21	26	34	70