

Series 700 High Performance Filtered Connectors

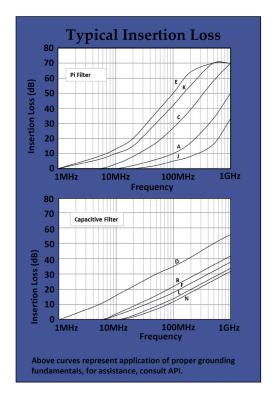
Filter Selection

APITech's Series 700 connectors offer the highest performance filtering for all types of professional applications.

Features

- Available in 9, 15, 25, 37, and 50 shell sizes
- Variety of termination configurations including right angle and straight PCB for both pin and socket contact and as an adapter
- Capacitive and Pi type filters in a full range of capacitance values

The catalog data for this series is presented in order of shell size, and grouped by pin and socket contacts. Part numbers must be selected from the tables within the series section.



Insertion loss measured per MIL-STD-220, no load, 50ohm source and load.

Electrical Specifications: High Performance Connectors

		Capacitar		3 dB Cut-off Fre-	Dielectric	Working		Minimum Insertion Loss - Decibels (dB)							
Filter Desig- nations	Filter Circuits	Value	Tol.	quency Max. (MHz)	With- standing Voltage	Voltage DC -55°C to +125°C	5 MHz	10 MHz	20 MHz	50 MHz	100 MHz	200 MHz	500 MHz	1 GHz	
J		100 pF	+100 -0%	32	300V	100V	ı	ı	I	2	5	8	16	33	
Α		310 pF	±25%	15.9	300V	100V	1	1	2	6	10	17	33	50	
С	Pi	1000 pF	+150 -0%	3.2	300V	100V	_	3	8	17	27	39	58	70	
K		2500 pF	+100 -0%	1.3	150V	50V	6	10	15	30	42	55	70	70	
Е		4000 pF	+100 -0%	0.8	150V	50V	œ	13	20	37	50	64	70	70	
N		375 pF	±25%	13.7	600V	200V	ı	ı	2	7	12	18	26	32	
L		500 pF	±25%	10.2	600V	200V	_	_	3	9	14	20	28	34	
F	С	830 pF	±25%	6.1	600V	200V	-	3	7	13	18	24	32	38	_
В		1000 pF	+100 -0%	3.2	600V	200V	_	4	9	16	22	28	36	42	
D		5000 pF	+100 -0%	0.64	300V	100V	10	16	22	30	35	41	50	56	

Filter designation "G" for grounded contacts, "I" for insulated (not filtered) contacts.

Above data represents guaranteed minimum.

Filter designation "O" for omitted contact and no hole in ground plane.



Series 700 High Performance Filtered Connectors

Specifications and Connector Ordering

Mechanical Specifications

Shell Zinc or aluminum diecast, nickel plated

150 μ inches (3.81 μ m) min.

Insulators Glass-filled polyester, flammability

UL94V-0

Pin Contacts Copper alloy, 15 μ inches (0.38 μ m)

gold plated * over nickel

Socket Contacts Copper alloy, 30 μ inches (0.76 μm)

gold plated * over nickel

* Heavier gold plating available upon

request.

See pg. 24: Connector Options

Terminations Gold flash for PCB mount and solder

cups. Solder dipped also available.

Ground

Plane Brass, solder plated

Grounding

Springs Beryllium copper, tin plated per

MIL-T-10727

Operating

083120ED

Temperature -55°C to +125°C

Capacitors Proprietary barium titanate ceramic

formulations

Electrical Specifications

Current Rating 5 Amps

R.F. Current Rating 0.3 Amps

Contact Resistance 10 milliohms maximum

UL Recognized Under category of

communication circuit accessories, File #E149046

Inductance on PI Filters ~ 860 nH between

100 kHz and 1 MHz

Solder cups accept up to a 20 gauge wire.

Ordering Your Connector

Step 1: Selecting the Filter

- Using the insertion loss graphs on page 1 determine which filters provide the required attenuation at the troublesome frequency, while not affecting the signal frequency by more than 3 to 6 dB.
- Choose the filter type, either feedthrough capacitor or Pi. Pi is generally considered better due to its superior high frequency performance and steeper curve. The feedthrough capacitor is lower cost.
- Select capacitance value.
- Note the APITech letter designation for the filter chosen from the table on page 1.

Step 2: Selecting the Connector

- Turn to the appropriate size section (9, 15, 25, 37, 50).
- Choose either pin contacts (plug) or socket contacts (receptacle).
- Choose the required termination type.
- From the table on the appropriate connector page, using the filter letter designation chosen in step 1 above, select the part number.

Step 3: Specifying Options

- Refer to page 24 for special options including heavy gold plating, 4-40 mounting threads, grounding brackets, hardware, and others.
- Most options are available within the standard lead times.
- Some options require a part number suffix, while other combinations may require factory assistance for part number assignment. If a suffix is shown, add it to your selected part number. If more than one option is needed, contact APITech for part number assignment.



9 Shell Size

Printed Circuit Board Mount

APITech	Е	MI Filter	1.213 (30.81)
Part Number	Filter Designation**	Cap. Value	.666 (16.92)
56-701-001	А	310 pF Pi	.494 (12.55)
56-701-002	В	1000 pF C	9 329 (24.99) 836)
56-701-003	С	1000 pF Pi	(24.99) (8.36) Mating Face (24.99) (1.27)
56-701-004	D	5000 pF C	
56-701-005	Е	4000 pF Pi	10°
56-701-028	F	830 pF C	.025 SQ. (64 SQ.)
56-701-029	J	100 pF Pi	⊕ (150 (3.81) ♦ ← .408 (10.36) ♦
56-701-030	К	2500 pF Pi	Side View
56-701-047	N	375 pF C	.120 ± .005 DIA. HOLES (3.05 ± 0.13 DIA. HOLES)
56-701-086	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Mount

APITech	E	MI Filter	1.213 (3.05) IA. HOLES (3.05) IA. HOLES
Part Number	Filter Designation**	Cap. Value	.666 (30.81) 329 (8.36) 757 10° (19.23) (19.23)
* 56-702-001	А	310 pF Pi	φ, .494 (12.55) .494 (10.67)
56-702-002	В	1000 pF C	9-984
* 56-702-003	С	1000 pF Pi	Mating Face Termination Face
56-702-004	D	5000 pF C	-358 (9.09) .12R (3.05R) .540 (15.70) (13.72) ◊
* 56-702-005	E	4000 pF Pi	
56-702-007	F	830 pF C	.238 (6.05) 275 .740 (18.80) \$\daggreent\text{\$\sigma}\$
56-702-008	J	100 pF Pi	.125 · .005 DIA. HOLES (3.18 ± .13 DIA. HOLES)
56-702-009	К	2500 pF Pi	.105 ∮ Bottom View (2.67) ♦ .025 sq.
56-702-013	N	375 pF C	.590 (14.99)0 Side
* 56-702-033	L	500 pF C	

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



9 Shell Size



Solderless Wire Wrap

APITe	APITech Part Number Select one			EMI Filter		1.213 (30.81)
	.500	L .375	L .250	Filter Desig.**	Cap. Value	.666 (16.92)
56-701	-006	-022	-017	А	310 pF Pi	.494 (12.55)
56-701	-007	-023	-018	В	1000 pF C	9 3 329 (24.99) (8.36)050 (1.27)
56-701	-008	-024	-019	С	1000 pF Pi	(24 99) (8.36) Mating Face
56-701	-009	-025	-020	D	5000 pF C	
56-701	-010	-026	-021	E	4000 pF Pi	757 10°
56-701	-037	-034	-031	F	830 pF C	.420 (10.67) Side View
56-701	-038	-035	-032	J	100 pF Pi	Side View
56-701	-039	-036	-033	К	2500 pF Pi	.120±.005 DIA. HOLES (3.05±0 13 DIA. HOLES)
56-701	-050	-049	-048	N	375 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech	E	MI Filter	1.213
Part Number	Filter Designation**	Cap. Value	.666 (30.81)
* 56-701-011	А	310 pF Pi	.494 (12 55)
* 56-701-012	В	1000 pF C	984 .329
* 56-701-013	С	1000 pF Pi	.984 .329 .050 (1.27) .238 (6.05)
* 56-701-014	D	5000 pF C	.042 MIN. I.D.
* 56-701-015	E	4000 pF Pi	065 MAX O.D.
* 56-701-040	F	830 pF C	.757 10° (19.23)
56-701-041	J	100 pF Pi	⊕ (a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.
56-701-042	K	2500 pF Pi	1420 (1007)
56-701-081	N	375 pF C	.120 ±.005 DIA. HOLES (3.05 ± .13 DIA. HOLES)
56-701-087	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



9 Shell Size



Printed Circuit Board Mount

APITech	Е	MI Filter	
Part Number	Filter Designation**	Cap. Value	(16.26)
56-703-001	А	310 pF Pi	⊕ (12.55) ⊕ (12.55)
56-703-002	В	1000 pF C	984 308
56-703-003	С	1000 pF Pi	(24 99) (782)
56-703-004	D	5000 pF C	.243 (6 1 /)
56-703-005	E	4000 pF Pi	757 10°
56-703-022	F	830 pF C	.025 SQ. (64 SQ.)
56-703-023	J	100 pF Pi	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
56-703-024	К	2500 pF Pi	Side View
56-703-036	N	375 pF C	.120 \ .005 DIA. HOLES (3 05 ± 0 13 DIA. HOLES)
56-703-047	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	Е	MI Filter	.120 ±.005 DIA. HOLES (3.05±.13 DIA. HOLES)
Part Number	Filter Designation**	Cap. Value	.640 (16.26) 1- (19.23) 10°
56-704-001	А	310 pF Pi	494 (12.55) 420 (10.67)
56-704-002	В	1000 pF C	308 (7.82) (.51±.13)
* 56-704-003	С	1000 pF Pi	Mating Face Termination Face
56-704-004	D	5000 pF C	→ .375 (9.53) .12R (3.05R) .618 .540 .13.72) ◊ (15.70) (13.72) ◊
* 56-704-005	E	4000 pF Pi	290 (7.37) 290 (7.37) 271 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
56-704-007	F	830 pF C	.243 (6.17) (6.99) (6.99)
56-704-008	J	100 pF Pi	.125±.005 DIA. HOLES (3.18±.13 DIA. HOLES)
56-704-009	К	2500 pF Pi	.105.J (2.67) 6 -0.25 SQ.
56-704-018	N	375 pF C	.590 (14.99)0 Side -702 View
56-704-035	L	500 pF C	→ √(17.83)¢ View

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



9 Shell Size



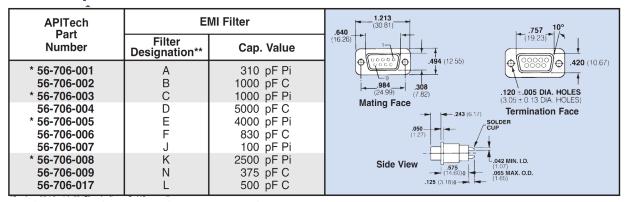


Solderless Wire Wrap

APITe	APITech Part Number Select one			EMI Filter		1.213 (30.81) 757 10°
	.500	L .375	L .250	Filter Desig.**	Cap. Value	(16 26) (19 23
56-703	-006	-016	-011	Α	310 pF Pi	
56-703	-007	-017	-012	В	1000 pF C	984 - 308 120 + 005 DIA HOLES
56-703	-008	-018	-013	С	1000 pF Pi	(24.99) (7.82) (3.05 ± 0.13 DIA. HOLES)
56-703	-009	-019	-014	D	5000 pF C	Mating Face
* 56-703	-010	-020	* -015	E	4000 pF Pi	243 (6.17)
56-703	-031	-028	-025	F	830 pF C	
56-703	-032	-029	-026	J	100 pF Pi	025 SQ . (64 SQ.)
56-703	-033	-030	-027	K	2500 pF Pi	Side View → 4-L♦
56-703	-039	-038	-037	N	375 pF C	→ 425 (10.80) ◊

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solderless Wire Wrap

APITech	EI	MI Filter	1.213 (30.81) .640 (30.81)
Part Number	Filter Designation**	Cap. Value	(16.92) 1 (16.92) 1 (16.92) 1 (16.92) 494 (12.55)
* 56-705-001	Α	310 pF Pi	
56-705-002	В	1000 pF C	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
* 56-705-003 €	С	1000 pF Pi	.120±.005 DIA. HOLES (3.05±.13 DIA. HOLES)
56-705-004	D	5000 pF C	Socket Face → ←.520 (13.21) Pin Face
* 56-705-005 €	Е	4000 pF Pi	.050 (1 27) TYP.
* 56-705-008	F	830 pF C	.243 (6.17)
56-705-009	J	100 pF Pi	
56-705-010	K	2500 pF Pi	Side View
56-705-026	N	375 pF C	
56-705-049	L	500 pF C	.238 (6.05) → -

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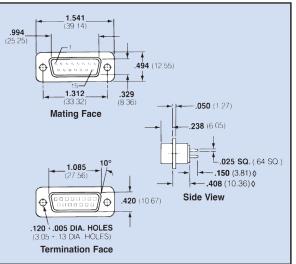
Standard Tolerance = $\pm .005$ except where noted, $\Diamond = \pm .015$



15 Shell Size

Printed Circuit Board Mount

APITech	EMI Filter			
Part Number	Filter Designation**	Cap. Value		
56-711-001	А	310 pF Pi		
56-711-002	В	1000 pF C		
56-711-003	С	1000 pF Pi		
56-711-004	D	5000 pF C		
56-711-005	E	4000 pF Pi		
56-711-028	F	830 pF C		
56-711-029	J	100 pF Pi		
56-711-030	K	2500 pF Pi		
56-711-048	N	375 pF C		
56-711-088	L	500 pF C		



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	E	MI Filter	1.541 .120±.005 DIA. HOLES (30.05±.13 DIA. HOLES)		
Part Number	Filter Designation**	Cap. Value	994 (39.14) (75.25) 1 1 1.085 10° (27.56) 1		
* 56-712-001	А	310 pF Pi	494 (12.55) 4420 (10.67)		
56-712-002	В	1000 pF C	15.7 329 1.312 (8.36) .020±.005 (3.3.2) (51±.13)		
* 56-712-003	С	1000 pF Pi	Mating Face Termination Face		
56-712-004	D	5000 pF C	358 (9.09)		
* 56-712-005	E	4000 pF Pi	.090 (2.29) .290 (7.37) .740 (18.80) o		
* 56-712-007	F	830 pF C	.238 (6.05)		
56-712-008	J	100 pF Pi	.125±.005 DIA. HOLES .540 (13.72) o		
56-712-009	К	2500 pF Pi	105 J Bottom View		
56-712-017	N	375 pF C	590 (14,99)0 Side		
56-712-039	L	500 pF C	1,702 Side View View		

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



15 Shell Size



Solderless Wire Wrap

APITe	APITech Part Number Select one			EMI Filter		1.541
	.500	L .375	L .250	Filter Desig.**	Cap. Value	.994 (39.14) (25.25)
56-711	-006	-023	-018	А	310 pF Pi	494 (12.55)
56-711	-007	-024	-019	В	1000 pF C	15- 1, 1,312 329
56-711	-008	-025	-020	С	1000 pF Pi	1.312 329050 (1.27) (33.32) (8.36) Mating Face238 (6.05)
56-711	-009	-026	-021	D	5000 pF C	
56-711	-010	-027	-022	E	4000 pF Pi	1.085 10° L 0.25 SQ. (.64 SQ.)
56-711	-037	-034	-031	F	830 pF C	(27.56)
56-711	-038	-035	-032	J	100 pF Pi	⊕ (10.67) Side View
56-711	-039	-036	-033	К	2500 pF Pi	.120±.005 DIA. HOLES (3.05±.13 DIA. HOLES)
56-711	-051	-050	-049	N	375 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech	E	MI Filter	1.541 (39.14)
Part Number	Filter Designation**	Cap. Value	.994 (39.14) (25.25) 1
* 56-711-011	А	310 pF Pi	.494 (12.55)
56-711-012	В	1000 pF C	15- 1.312 329 (33.32) (8.36) 050 (1.27)
* 56-711-013	С	1000 pF Pi	(33.32) (8.36)
56-711-014	D	5000 pF C	SOLDER CUP
* 56-711-015	E	4000 pF Pi	10° (1.07) 1.065 MAX. O.D
* 56-711-040	F	830 pF C	1.085 (27.56)408 (10.36) (1.03)
56-711-041	J	100 pF Pi	⊕ (0000000) ⊕ .420 (10.67) Side View
56-711-042	K	2500 pF Pi	
56-711-085	N	375 pF C	.120 ±.005 DIA. HOLES (3.05 ±.13 DIA. HOLES)
56-711-086	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant



15 Shell Size



Printed Circuit Board Mount

APITech	E	MI Filter	1.541
Part Number	Filter Designation**	Cap. Value	.968 (24.59) 1—
56-713-001	А	310 pF Pi	⊕ (30000000) ⊕ .494 (12.55)
56-713-002	В	1000 pF C	1312 308
56-713-003	С	1000 pF Pi	$(33.32) (7.82) \longrightarrow (-0.050)(1.27)$
56-713-004	D	5000 pF C	Mating Face ——.243 (6.17)
56-713-005	E	4000 pF Pi	
56-713-021	F	830 pF C	1.085 10° (27.56) 0.25 SQ. (.64 SQ.)
56-713-022	J	100 pF Pi	→425 (10.80)◊
56-713-023	К	2500 pF Pi	.420 (10.67) Side View
56-713-037	N	375 pF C	.120 ± .005 DIA. HOLES (3.05±.13 DIA. HOLES)
56-713-045	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	Е	MI Filter	1.541 .120±.005 DIA. HOLES (39.14) (3.05±.13 DIA. HOLES)
Part Number	Filter Designation**	Cap. Value	.968 (24.59) 1.085 10° (27.56) 10°
* 56-714-001	А	310 pF Pi	494 (12.55) 494 (12.55) 420 (10.67)
56-714-002	В	1000 pF C	308 (33.32) (7.82) (.51±.13)
* 56-714-003	С	1000 pF Pi	Mating Face Termination Face
56-714-004	D	5000 pF C	
* 56-714-005	E	4000 pF Pi	.050 (1.27)
* 56-714-006	F	830 pF C	.243 (6.17) (6.99) .740 (18.80) (
56-714-007	J	100 pF Pi	125±.005 DIA, HOLES .540
56-714-008	К	2500 pF Pi	.105 + .025 SQ. Bottom View
56-714-017	N	375 pF C	.590
56-714-031	L	500 pF C	(17.83) View

^{*}Replace "56-" with "56F" to indicate RoHS compliant

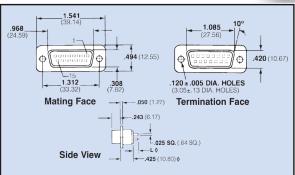
Dimensions in inches (mm)



15 Shell Size

Solderless Wire Wrap

APITed	ch Part	Numbe Select one		Е	MI Filter	.968
	.500	L .375	L .250	Filter Desig.**	Cap. Value	(24.59)
56-713	-006	-016	-011	Α	310 pF Pi] [🕈 [[
56-713	-007	-017	-012	В	1000 pF C	
56-713	-008	-018	-013	С	1000 pF Pi	
56-713	-009	-019	-014	D	5000 pF C	Ma
56-713	-010	-020	-015	E	4000 pF Pi	
56-713	-030	-027	-024	F	830 pF C	
56-713	-031	-028	-025	J	100 pF Pi	
56-713	-032	-029	-026	K	2500 pF Pi	
56-713	-040	-039	-038	N	375 pF C	



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech Part	E	MI Filter	1.085 10° (27.56) 1,368 (27.56)
Number	Filter Designation**	Cap. Value	(24.59) 1
* 56-716-001	Α	310 pF Pi	
56-716-002	В	1000 pF C	1.312
* 56-716-003	С	1000 pF Pi	(33.32) (7.82) Termination Face
56-716-004	D	5000 pF C	Mating Face → A.243(6.17) SOLDER
* 56-716-005	E	4000 pF Pi	050 CUP
56-716-006	F	830 pF C	(1.27)
56-716-007	J	100 pF Pi	
* 56-716-008	K	2500 pF Pi	Side View 1.575 (1.07)
56-716-009	N	375 pF C	Side View
56-716-013	L	500 pF C	.123(0.10)

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Pin/Socket Adapter

APITech	EMI Filter		1.541 .968 (39.14) .994 (39.14)
Part Number	Filter Designation**	Cap. Value	(24.59) 1 (25.25) 1 (25.25) Q (3.90.0000) Q (4.94 (12.55)
* 56-715-001	A	310 pF Pi	1.312 308 (3.3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2) (3.2)
56-715-002	B	1000 pF C	
* 56-715-003 €	C	1000 pF Pi	120 ± .005 DIA. HOLES (305 ± 13 DIA HOLES) Socket Face 520 (13.21) Pin Face 520 (1.27) TYP.
56-715-004	D	5000 pF C	
* 56-715-005 €	E	4000 pF Pi	
56-715-007	F	830 pF C	-243 (6.17)
56-715-008	J	100 pF Pi	
56-715-009	K	2500 pF Pi	Side View
56-715-015	N	375 pF C	
56-715-040	L	500 pF C	

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Standard Tolerance = $\pm .005$ except where noted, $\Diamond = \pm .015$



25 Shell Size



Printed Circuit Board Mount

APITech	E	MI Filter	
Part Number	Filter Designation**	Cap. Value	2.088 (53.04) ————————————————————————————————————
56-721-001	А	310 pF Pi	1 1 1 1 1 1 1 1 1 1
56-721-002	В	1000 pF C	25
56-721-003	С	1000 pF Pi	1.852 (47 04) → 329 (8 36)
56-721-004	D	5000 pF C	Mating Face
56-721-005	E	4000 pF Pi	
56-721-033	F	830 pF C	1.625 10° (41.28) .025 SQ. (.64 SQ.)
56-721-034	J	100 pF Pi	◆ (150 (3.81) (3.81) (4.00 (10.67) (4.00 (10.36)) (4.00 (10.36))
56-721-035	К	2500 pF Pi	Side View
56-721-063	N	375 pF C	(3.05 ±.13 DIA. HOLES)
56-721-111	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	E	MI Filter	120 ⋅ 005 DIA. HOLES (3.05 ± .13 DIA. HOLES)
Part Number	Filter Designation**	Cap. Value	1.534 (38.96)
* 56-722-001	А	310 pF Pi	494 (12.55) WHEN SECRET OF 401 (12.55)
56-722-002	В	1000 pF C	1.852 329 (8.36) Termination Face 0.20 : .005 (.51 ±.13)
* 56-722-003	С	1000 pF Pi	Mating Face .12R (3.05F) → +.358 (9.09)
56-722-004	D	5000 pF C	.090 (2.29) 290 (7.35) 275 .740 (18.80) \$\rightarrow\$
* 56-722-005	E	4000 pF Pi	.050 (1.27)
* 56-722-008	F	830 pF C	125 : .005 DIA. HOLES .540 (3.18 ± .13 DIA. HOLES) (13.72)()
56-722-009	J	100 pF Pi	Bottom View
56-722-010	K	2500 pF Pi	(2.67)
56-722-027	N	375 pF C	.590 (14.99) (15.00) (164 SQ.) (17.99) (15.00) (164 SQ.) (17.99) (17.00) (164 SQ.)
56-722-060	L	500 pF C	(17.83) \(\rightarrow\) View

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



25 Shell Size



Solderless Wire Wrap

APITe	ch Part	Numbe Select one		E	MI Filter	
	.500	L .375	L .250	Filter Desig.**	Cap. Value	2.088 (53 04) ———————————————————————————————————
56-721	-006	-028	-024	А	310 pF Pi	, 494 (12.55)
56-721	-007	-029	-025	В	1000 pF C	1.852 (47.04) 329
56-721	-008	-030	-026	С	1000 pF Pi	1.852 (47.04) 329 (8.36) Mating Face (8.36)
56-721	-009	-031	-022	D	5000 pF C	.238 (6.05)
56-721	-010	-032	-027	E	4000 pF Pi	1.625 10° (41.28) 10° (41.28) 10°
56-721	-042	-039	-036	F	830 pF C	100 (10 30)A
56-721	-043	-040	-037	J	100 pF Pi	.420 (10.67) Side View
56-721	-044	-041	-038	К	2500 pF Pi	(305 ± 13 DIA HOLES) Termination Face
56-721	-066	-065	-064	N	375 pF C	Islandadi Fade

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech	E	MI Filter	
Part Number	Filter Designation**	Cap. Value	2.088 (53.04) -1.534 (38.96)
* 56-721-011	А	310 pF Pi	.494 (12.55)
* 56-721-012	В	1000 pF C	-1.852 (47.04)329 (8.36) (8.36)
* 56-721-013	С	1000 pF Pi	Mating Face (8.36)
56-721-014	D	5000 pF C	SOLDER CUP .042 MIN. I.D.
* 56-721-015	E	4000 pF Pi	10° (1.07) 10° (1.65)
* 56-721-045	F	830 pF C	1.625 (41.28) → -125 (3.18) ♦ -408 (10.36) ♦
56-721-046	J	100 pF Pi	.406 (10.50) Side View
56-721-047	K	2500 pF Pi	.120 ±.005 DIA. HOLES
56-721-070	N	375 pF C	(3.05 ±.13 DIA. HOLES)
56-721-112	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



25 Shell Size



Printed Circuit Board Mount

APITech	Е	MI Filter	2.088 (53.04)
Part Number	Filter Designation**	Cap. Value	1.508 (38.30)
56-723-001	А	310 pF Pi	494 (12.55)
56-723-002	В	1000 pF C	1.852 .308
56-723-003	С	1000 pF Pi	(47.04) (7.82)
56-723-004	D	5000 pF C	.243 (6.17)
56-723-005	E	4000 pF Pi	025 SQ. (64 SQ.)
56-723-023	F	830 pF C	1.625 10°
56-723-024	J	100 pF Pi	Side View
56-723-025	K	2500 pF Pi	⊕ (10.67) .420 (10.67)
56-723-045	N	375 pF C	120 ±.005 DIA. HOLES (3.05 ±.13 DIA. HOLES)
56-723-069	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	E	MI Filter	2.088 (53 04) 1120 ± .005 DIA. HOLES (3 05 ± 13 DIA. HOLES)
Part Number	Filter Designation**	Cap. Value	1.508 (38.30) - 1.625 (41.28) - 1.00°
* 56-724-001	А	310 pF Pi	420 (10.67)
56-724-002	В	1000 pF C	25 .308 Termination Face .020 ±.005 (.51 ±.13) (47.04)
* 56-724-003	С	1000 pF Pi	Mating Face
56-724-004	D	5000 pF C	-375 (9.53)
* 56-724-005	E	4000 pF Pi	.050 (1.27) 200 (7.37) 200000000000
* 56-724-008	F	830 pF C	.243 (6.17) 275 (6.99) .740 (18.80) 0
56-724-009	J	100 pF Pi	.125 ± .005 DIA. HOLES .540
56-724-010	К	2500 pF Pi	(3.18±13 DIA HOLES) 1.05 (2.67)0 — .025 SQ. Bottom View
56-724-021	N	375 pF C	.590 (14.99)6 Side
56-724-046	L	500 pF C	702 (17.83) View

^{*}Replace "56-" with "56F" to indicate RoHS compliant

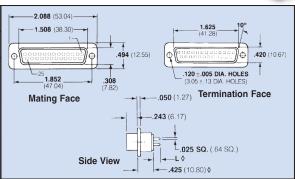
Dimensions in inches (mm)



25 Shell Size

Solderless Wire Wrap

APITe	APITech Part Number Select one				MI Filter	2.088 (53.04)
	.500	L .375	L .250	Filter Desig.**	Cap. Value	1-
* 56-723	-006	-017	* -012	Α	310 pF Pi	9 (00000000000000)
56-723	-007	-018	-013	В	1000 pF C	25 1.852 (47.04)
* 56-723	-008	-019	* -014	C	1000 pF Pi	Mating Face
56-723	-009	-020	-015	D	5000 pF C	wating race
* 56-723	-010	-021	* -016	E	4000 pF Pi	
* 56-723	-032	-029	* -026	F	830 pF C	
56-723	-033	-030	-027	J	100 pF Pi	
56-723	-034	-031	-028	K	2500 pF Pi	Sic
56-723	-048	-047	-046	N	375 pF C	



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech	E	MI Filter	2.088 (53.04) 1.625 10° 1.625 10°
Part Number	Filter Designation**	Cap. Value	⊕ (300 (300 (300 (300 (300 (300 (300 (30
* 56-726-001	Α	310 pF Pi	
56-726-002	В	1000 pF C	25 1.852 308 1.20 ±.005 DIA. HOLES (3.05 ±.13 DIA HOLES)
* 56-726-003	С	1000 pF Pi	(47.04) (7.82) Termination Face
56-726-004	D	5000 pF C	Mating Face → ← .243 (6.17)
* 56-726-005	E	4000 pF Pi	SOLDER CUP
56-726-006	F	830 pF C	(1.27)
56-726-007	J	100 pF Pi	
* 56-726-008	K	2500 pF Pi	042 MIN. I.D.
56-726-009	N	375 pF C	Side View → (1.60) (14.60) (1.07) .065 MAX. O.D.
56-726-021	L	500 pF C	.125 (3.18)0—— (1.65)

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Pin/Socket Adapter

APITech	E	MI Filter	- 2.088 (53.04)
Part Number	Filter Designation**	Cap. Value	Ф (12.55) Ф .494 (12.55)
* 56-725-001	A	310 pF Pi	1.852 3.08 25 3.09 (7.82) 3.29 (8.36) (7.82) 1.20005 DIA. HOLES (3.05 ± 13 DIA HOLES) (3.05 ± 13 DIA HOLES) Socket Face 5.520 (13.21) Pin Face
56-725-002	B	1000 pF C	
* 56-725-003 €	C	1000 pF Pi	
56-725-004	D	5000 pF C	
* 56-725-005 €	E	4000 pF Pi	- 243 (6.17)
* 56-725-019	F	830 pF C	
56-725-020	J	100 pF Pi	
* 56-725-021	K	2500 pF Pi	Side View .238 (6 05)
56-725-064	N	375 pF C	
56-725-073	L	500 pF C	

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Standard Tolerance = \pm .005 except where noted, $\Diamond = \pm$.015



37 Shell Size



Printed Circuit Board Mount

APITech	E	MI Filter	2.729 (69.32) 2.182 (55.42)
Part Number	Filter Designation**	Cap. Value	494 (12.55)
56-731-001 56-731-002	A B	310 pF Pi	2.500 (63.50) 329 (8.36)
56-731-002	С	1000 pF C 1000 pF Pi	Mating Face
56-731-004 56-731-005	D E	5000 pF C 4000 pF Pi	-025 SQ. (64 SQ.)
56-731-028	F	830 pF C	Termination Face 10° → 150 (381) ◊408 (10.36) ◊
56-731-029 56-731-030	J K	100 pF Pi 2500 pF Pi	2.273 (57.73) Side View
56-731-048	N	375 pF C	420 (10.67)
56-731-076	L	500 pF C	\120 ±.005 DIA. HOLES (3.05 ±.13 DIA. HOLES)

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	E	MI Filter	2.729 (69.32)
Part Number	Filter Designation**	Cap. Value	φ (3-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0
56-732-001	А	310 pF Pi	2.500 (63 50) (8.36) -0.00 (2.29)
56-732-002	В	1000 pF C	Mating Face
* 56-732-003	С	1000 pF Pi	(3 05 ± 13 DIA. HOLES)
56-732-004	D	5000 pF C	→ (1,05) (1,05) (1,05)
* 56-732-005	E	4000 pF Pi	702 Termination Face 0.020 ±.005 (14.99)
56-732-006	F	830 pF C	(.51±.13) → (.7.83) o
56-732-007	J	100 pF Pi	.12R (3.05R) Side View
56-732-008	K	2500 pF Pi	.290 (737) 10301 1
56-732-009	N	375 pF C	P
56-732-023	L	500 pF C	.125 : .005 ÓIA. HOLES (3.18 ± .13 DIA. HOLES) Bottom View (13.72)0

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



37 Shell Size



Solderless Wire Wrap

APITe	APITech Part Number Select one EMI Filter		MI Filter	2.729 (69 32)		
	.500	L .375	L .250	Filter Desig.**	Cap. Value	494 (1255)
56-731	-006	-023	-018	А	310 pF Pi	37—320
56-731	-007	-024	-019	В	1000 pF C	2.500 (63.50) → (8.36) Mating Face → 1 ← .050 (1.27)
56-731	-008	-025	-020	С	1000 pF Pi	→ 238 (6.05)
56-731	-009	-026	-021	D	5000 pF C	
56-731	-010	-027	-022	E	4000 pF Pi	1.025 SQ. (64 SQ.)
56-731	-037	-034	-031	F	830 pF C	2.273 (57.73) 10° → -408 (10.36) ◊ Side View
56-731	-038	-035	-032	J	100 pF Pi	⊕ (□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
56-731	-039	-036	-033	К	2500 pF Pi	.120 +.005 DIA. HOLES
56-731	-051	-050	-049	N	375 pF C	(3.05 ± 13 DIA HOLES) Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech	E	MI Filter	2.729 (69.32)
Part Number	Filter Designation**	Cap. Value	⊕ (12.55)
* 56-731-011	А	310 pF Pi	37————————————————————————————————————
56-731-012	В	1000 pF C	Mating Face → 1 ← .050 (1.27)
* 56-731-013	С	1000 pF Pi	
56-731-014	D	5000 pF C	.042 MIN. I.D.
* 56-731-015	E	4000 pF Pi	065 MAX. O.D.
* 56-731-040	F	830 pF C	10°
56-731-041	J	100 pF Pi	Side View
56-731-042	K	2500 pF Pi	420 (10.67)
56-731-060	N	375 pF C	.120 ±.005 DIA. HOLES (3.05 ±.13 DIA. HOLES)
56-731-077	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



37 Shell Size



Printed Circuit Board Mount

APITech	E	MI Filter	2.729 (69.32)
Part Number	Filter Designation**	Cap. Value	2.156 (54.76)
56-733-001	А	310 pF Pi	37
56-733-002	В	1000 pF C	Mating Face (7.82)
56-733-003	С	1000 pF Pi	
56-733-004	D	5000 pF C	-243 (6 17)
56-733-005	E	4000 pF Pi	.025 SQ. (64 SQ.)
56-733-021	F	830 pF C	10°
56-733-022	J	100 pF Pi	Side View
56-733-023	К	2500 pF Pi	⊕ (concensoration of the control of
56-733-035	N	375 pF C	.120±.005 DIA, HOLES
56-733-046	L	500 pF C	(3.05 ± 13 DIA HOLES) Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	Е	MI Filter	2.729 (69 32) + 2.156 (54 76) +
Part Number	Filter Designation**	Cap. Value	Ф (при при при при при при при при при при
56-734-001	А	310 pF Pi	37 (3.50) 3.08
56-734-002	В	1000 pF C	120 ⋅ .005 DIA HOLES (7 82) (
56-734-003	С	1000 pF Pi	(3.05 + .13 DIA, HOLES) 10° 2.273 (57.73) 10°
56-734-004	D	5000 pF C	
56-734-005	E	4000 pF Pi	420 (10 67) 105 (2.67)
56-734-006	F	830 pF C	Termination Face 0.020 ± .005 (590 (14.99)) (.64 SQ.) .702
56-734-007	J	100 pF Pi	.12R (3 05R) Side View
56-734-008	K	2500 pF Pi	290 (7.37) nanacasanaganaganaganagas 1 275 740 (18.80) \$
56-734-012	N	375 pF C	
56-734-021	L	500 pF C	.125±.005 DIA. HOLES Bottom View540 (13.72) 6

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



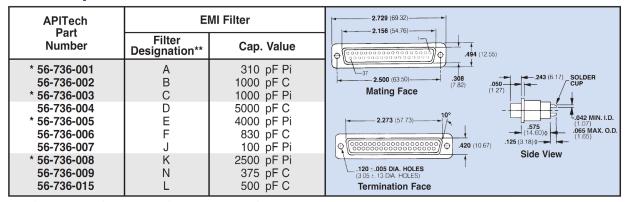
37 Shell Size

Solderless Wire Wrap

APITed	ch Part Number Select one			EI	MI Filter	2.729 (69 32) 2.156 (54 76) — +
	.500	L .375	L .250	Filter Desig.**	Cap. Value	⊕ (2000000000000000000000000000000000000
* 56-733	-006	-016	* -011	Α	310 pF Pi	2.500 (63.50) .308 .243 (6.17)
56-733	-007	-017	-012	В	1000 pF C	Mating Face (7.82)
56-733	-008	-018	-013	С	1000 pF Pi	10° 10° 10° 10° 10° 10° 10° 10° 10° 10°
56-733	-009	-019	-014	D	5000 pF C	2.273 (57.73)
56-733	-010	-020	-015	E	4000 pF Pi	Side View
56-733	-030	-027	-024	F	830 pF C	⊕ (10.67) ⊕ .420 (10.67)
56-733	-031	-028	-025	J	100 pF Pi	400 - 005 PM - HOLEO
56-733	-032	-029	-026	K	2500 pF Pi	120 ±.005 DIA. HOLES (3.05 ± 13 DIA. HOLES)
56-733	-038	-037	-036	N	375 pF C	Termination Face

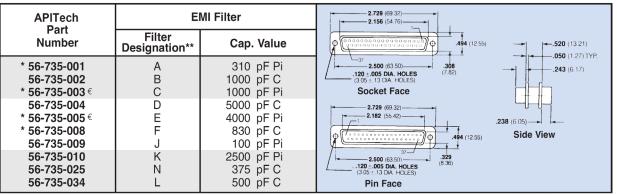
^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Pin/Socket Adapter



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Standard Tolerance = $\pm .005$ except where noted, $\Diamond = \pm .015$



50 Shell Size



Printed Circuit Board Mount

56-741-005 E 4000 pF Pi 56-741-027 F 830 pF C 56-741-028 J 100 pF Pi	APITech	E	MI Filter	2.635 (66.93)────
56-741-002 B 1000 pF C 56-741-003 C 1000 pF Pi 56-741-004 D 5000 pF C 56-741-005 E 4000 pF Pi 56-741-027 F 830 pF C 56-741-028 J 100 pF Pi 56-741-029 K 2500 pF Pi 56-741-042 N 375 pF C 56-741-042 N 375 pF C 56-741-042 Side View 56-741-045 Side View 56-741-045 Side View 56-741-045 Side View 56-741-046 (61.11) 436 (11.07) Mating Face 50-2.406 (61.11) 436 (11.07) Mating Face 50-2.406 (61.11) 100 (10.05 12) 100 (10.0			Cap. Value	2.079 (52.81)
56-741-003 C 1000 pF Pi 2.406 (61.11) .436 (11.07) 56-741-004 D 5000 pF C .050 (1.27) 56-741-005 E 4000 pF Pi .238 (6.05) 56-741-027 F 830 pF C .02 (6.05) 56-741-028 J 100 pF Pi .02 (6.05) 56-741-029 K 2500 pF Pi .150 56-741-042 N 375 pF C .375 pF C	56-741-001	А	310 pF Pi	⊕ (3000000000000000000000000000000000000
56-741-004 D 5000 pF C 4000 pF Pi 56-741-027 F 830 pF C 56-741-028 J 100 pF Pi 56-741-029 K 2500 pF Pi 56-741-042 N 375 pF C Mating Face Mating Face -0.50 (1.27) -0.238 (6.05) -0.02 (6.66) -0.03 (1.27) -0.04 (1.27) -0.05 (1.27) -0	56-741-002	В	1000 pF C	
56-741-004 D 5000 pF C 56-741-005 E 4000 pF Pi 56-741-027 F 830 pF C 56-741-028 J 100 pF Pi 56-741-029 K 2500 pF Pi 56-741-042 N 375 pF C 5000 pF C 4000 pF Pi 2.170 (55.12) 100 100 100 100 100 100 100	56-741-003	С	1000 pF Pi	
56-741-027 F 830 pF C 56-741-028 J 100 pF Pi 56-741-029 K 2500 pF Pi 56-741-042 N 375 pF C 56-741-042 Side View 100 pF Pi 120 ± .005 DIA. HOLES (305 ± .13 DIA HOLES) Termination Face	56-741-004	D	5000 pF C	238 (6.05)
56-741-028 56-741-029 K 2500 pF Pi 56-741-042 N 375 pF C 50-741-042 F 830 pF C 100 pF Pi 2500 pF Pi 120±.005 pla. HOLES (305±.13 DIA HOLES) Termination Face	56-741-005	E	4000 pF Pi	
56-741-028 56-741-029 K 2500 pF Pi 2500 pF Pi N 375 pF C 100 pF Pi 120 ±.005 DIA. HOLES (3.05 ±.13 DIA HOLES) Termination Face	56-741-027	F	830 pF C	2.170 (55.12) .025 SQ.
56-741-029 K 2500 pF Pi408 (1 56-741-042 N 375 pF C (3.05 ± .13 DIA HOLES (3.05 ± .13 DIA HOLES) Termination Face	56-741-028	J	100 pF Pi	(64 SQ.)
56-741-042 N 375 pF C (3.05 ± .13 DIA HOLES) Termination Face	56-741-029	К	2500 pF Pi	408 (10.36)◊
56-741-066 L 500 pF C Termination Face	56-741-042	N	375 pF C	
	56-741-066	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	E	MI Filter	2.635 (66 93)
Part Number	Filter Designation**	Cap. Value	(15.37)
56-742-001	А	310 pF Pi	-358 (9 09) -2.406 (61.11) (11.07) -090 (2.29)
56-742-002	В	1000 pF C	Mating Face
56-742-003	С	1000 pF Pi	2.170 (55.12)
56-742-004	D	5000 pF C	527 (13.39)
56-742-005	E	4000 pF Pi	120005 DIA. HOLES .020005
56-742-006	F	830 pF C	(3.05±.13 DIA. HOLES) (51±.13)
56-742-007	J	100 pF Pi	.12R (3.05R) 2.038 (51.77) Side View
56-742-008	К	2500 pF Pi	.400 (10.16)
56-742-009	N	375 pF C	275 aso (21.59) o
56-742-022	L	500 pF C	125 ± .005 DIA. HOLES (3 18 ± 13 DIA HOLES) Bottom View (13 72)

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



50 Shell Size



Solderless Wire Wrap

APITech Part Number Select one				EMI Filter		2.635 (66 93)
	.500	L .375	L .250	Filter Desig.**	Cap. Value	2.079 (52.81)
56-741	-006	-022	-017	А	310 pF Pi	605 (15.37)
56-741	-007	-023	-018	В	1000 pF C	2.406 (61.11)
56-741	-008	-024	-019	С	1000 pF Pi	Mating Face (11.07)
56-741	-009	-025	-020	D	5000 pF C	
56-741	-010	-026	-021	E	4000 pF Pi	2.170 (55.12) 10° 1.025 SQ. (64 SQ.)
56-741	-036	-033	-030	F	830 pF C	- (0.5 30.7)
56-741	-037	-034	-031	J	100 pF Pi	⊕ (10.36) ♦ Side View
56-741	-038	-035	-032	К	2500 pF Pi	.120±.005 DIA. HOLES (3.05±.13 DIA HOLES)
56-741	-045	-044	-043	N	375 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination

APITech	Е	MI Filter	2.635 (66 93)——▶		
Part Number	Filter Designation**	Cap. Value	2.079 (52.81)		
* 56-741-011	А	310 pF Pi	.605 (15.37)		
* 56-741-012	В	1000 pF C	2.406 (61.11) .436 (11.07)		
* 56-741-013	С	1000 pF Pi	Mating Face ——.050 (1.27) ——.238 (6.05)		
* 56-741-014	D	5000 pF C	SOLDER CUP		
* 56-741-015	E	4000 pF Pi	10° .065 MAX. O.D. (1.65)		
56-741-039	F	830 pF C	2.170 (55.12)		
56-741-040	J	100 pF Pi	Side View .527 (13.39)		
56-741-041	K	2500 pF Pi	000000000000000000000000000000000000000		
56-741-063	N	375 pF C	.120 ±.005 DIA. HOLES (3.05 ±.13 DIA. HOLES)		
56-741-067	L	500 pF C	Termination Face		

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



50 Shell Size



Printed Circuit Board Mount

APITech	E	MI Filter	2.635 (66 93)
Part Number	Filter Designation**	Cap. Value	2.062 (52.37)
56-743-001	А	310 pF Pi	(15.37)
56-743-002	В	1000 pF C	2.406 (61.11) 420 -0.050 (1.27)
56-743-003	С	1000 pF Pi	Mating Face (10.07)243 (6.17)
56-743-004	D	5000 pF C	
56-743-005	E	4000 pF Pi	.025 SQ. (.64 SQ.)
56-743-021	F	830 pF C	2.170 (55.12) 10°150 (3.81) \(\)425 (10.80) \(\)
56-743-022	J	100 pF Pi	Side View
56-743-023	К	2500 pF Pi	⊕ (□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
56-743-033	N	375 pF C	-120±.005 DIA. HOLES (3.05±.13 DIA HOLES)
56-743-043	L	500 pF C	Termination Face

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Printed Circuit Board Right Angle Mount

APITech	Е	MI Filter	2.635 (66.93) 2.062 (52.37) ————————————————————————————————————		
Part Number	Filter Designation**	Cap. Value	⊕ (000000000000000000000000000000000000		
56-744-001	А	310 pF Pi	2406 (61.11) (1967)		
56-744-002	В	1000 pF C	Mating Face		
56-744-003	С	1000 pF Pi	2.170 (55 12) 10° 10° 105 2670 2670		
56-744-004	D	5000 pF C	⊕		
56-744-005	E	4000 pF Pi			
56-744-006	F	830 pF C	(305±.13 DIA. HOLES) (.51±.13)702 (17.83) (.51±.13)814 (20.68) (.51±.13)		
56-744-007	J	100 pF Pi	.12R (3.05R) 2.038 (51.77) Side View		
56-744-008	К	2500 pF Pi	.400 (10.16) CC 300 CC 200 CC		
56-744-009	N	375 pF C	275 .850 (21.59) ¢		
56-744-012	L	500 pF C	.125±.005 DIA. HOLES (3.18±13 DIA HOLES) Bottom View (13.72)		

^{*}Replace "56-" with "56F" to indicate RoHS compliant

Dimensions in inches (mm)



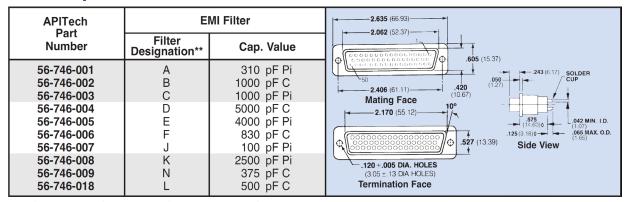
50 Shell Size

Solderless Wire Wrap

APITech Part Number Select one				EMI Filter		2.635 (66 93)————————————————————————————————————
	.500	L .375	L .250	Filter Desig.**	Cap. Value	00000000000000000000000000000000000000
56-743 56-743 56-743 56-743 56-743 56-743	-006 -007 -008 -009 -010 -030	-016 -017 -018 -019 -020 -027 -028	-011 -012 -013 -014 -015 -024 -025	с нпоов≻	310 pF Pi 1000 pF C 1000 pF Pi 5000 pF C 4000 pF Pi 830 pF C 100 pF Pi	2.406 (61.11) 4.20 Mating Face 10° —2.170 (55.12) 527 (13.39) —3.25 SQ. (64 SQ.) —4.25 (10.80) ◊ Side View
56-743 56-743	-032 -036	-029 -035	-026 -034	K N	2500 pF Pi 375 pF C	(305±.13 DIA HOLES) Termination Face

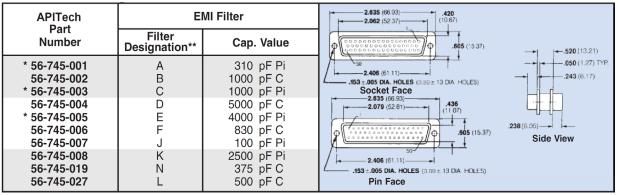
^{*}Replace "56-" with "56F" to indicate RoHS compliant

Solder Cup Termination



^{*}Replace "56-" with "56F" to indicate RoHS compliant

Pin/Socket Adapter



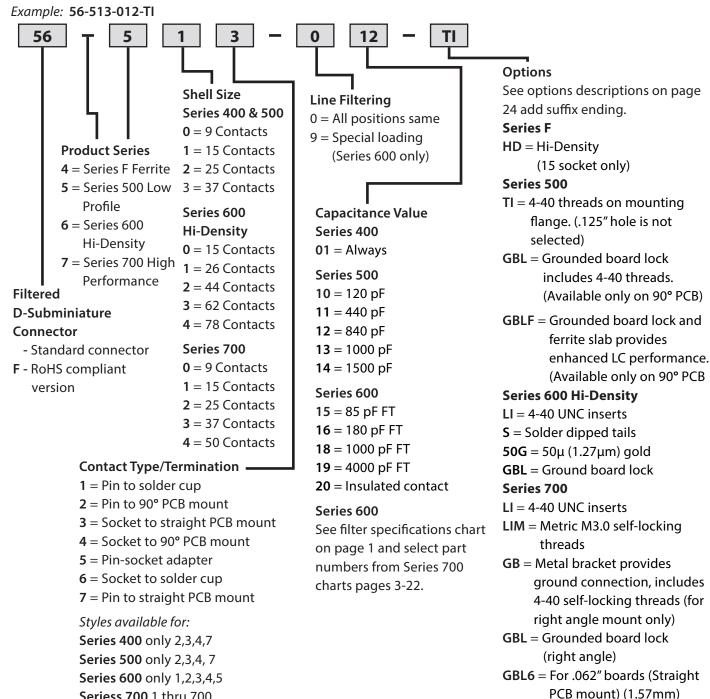
^{*}Replace "56-" with "56F" to indicate RoHS compliant

Standard Tolerance = $\pm .005$ except where noted, $\Diamond = \pm .015$



D-Subminiature Part Numbering System

Ordering Information



Note: 1 can be Pin to solder cup or Pin to PCB

for Series 700. See chart pages 3-22.

Seriess 700 1 thru 700

a part numbering system. All of the standard products are shown in their respective catalog pages.

Part number 56-513-012-TI represents a Series 500 connector with 15 contacts in a socket to straight PCB mount configuration. All connector positions have a capacitance value of 840 pF and there are 4-40 threads on mounting flange.

23

GBL9 = For .093" boards (Straight

50G = 50μ (1.27μm) gold plating

For option combinations, consult

S = Solder dipped tails

factory.

JS = Jackscrew mounting

PCB mount) (2.36mm)



D-Subminiature Connector Options

Threaded Inserts

Available on Series 500, 600 & 700.

- #4-40 UNC or metric M3.0 threaded inserts in mounting flanges.
- · Allows ease of panel-assembly.
- Plated steel inserts with last thread upset for torque.

Grounding Bracket

For right angle mount PCB connectors, available on Series 700.

- · Metal bracket in place of plastic.
- Provides ground connection direct from circuit board.
- · Allows shell grounding to board.
- Includes 4-40 threads.

Stand-off with Board Lock Feature

For straight PCB connectors, available on Series 700.

- Allows shell grounding to board.
- Eliminates stress on filter temperature.
- Tin plated brass stand-off with snap-in feature.
- Available for .062" (1.57mm) or .093" (2.36mm).

Grounding Bracket with Board Lock

For right angle mount PCB connectors, available on Series 500 & 700.

- Metal bracket provides grounding.
- Snap-in, no hardware needed, 4-40 threads included.
- For use on .062" (1.57mm) thick boards.

Gold Plating

Available on Series 600 & 700.

• High reliability applications, $50\mu''$ (1.27µm) gold over $50\mu''$ nickel.

Solder Dipped Tails

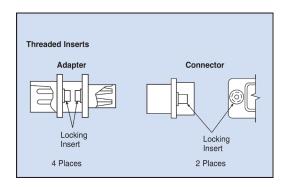
Available on Series 600 & 700 connectors.

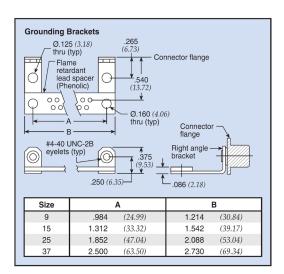
• Solder dipped tails added standard gold flash.

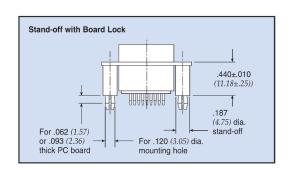
Water Block

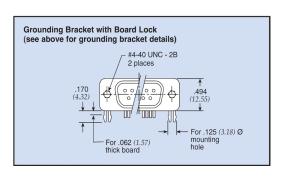
Consult APITech engineers for specifics.

 Internally sealed in accordance with NEMA Standard Rain Test section 6.4 (also UL50 part 28 ram test submersion, section 6.10.1.









Dimensions in inches (mm)