



MTK ELECTRONICS, INC.



POWER LINE FILTERS,
TUBULAR FILTERS
TERMINAL BLOCKS,
AND MORE...

FROM THE
PRESIDENT

MTK Electronics, Inc. is a company dedicated to the manufacture of Radio Frequency Interference filters, power distribution assemblies and value added services. Established in 1981 MTK produces a comprehensive series of products for the Defense, Telecommunications and Medical industries. With over 2,000 designs on file there is virtually no application that MTK is not familiar with.

Our commitment to Total Quality Management is an all-encompassing initiative and a plan based on ISO-9000 which we are currently pursuing. This commitment gives every company manager and employee the additional tools to reach this challenging goal.

It is our pleasure to present this catalog which describes only some of our current products, with new designs being developed continuously. Please contact an application engineer if you do not see a product that fits your exact requirements.

Feel free to contact me directly with any questions or comments.

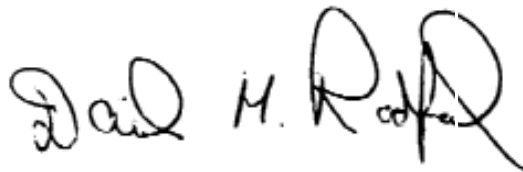


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POWER LINE FILTERS MTK-F & MTK-N

GENERAL

The filters described on the following three pages are designed to offer substantial reductions in electromagnetic interference. They are designed and tested to the applicable portions of Military Specification MIL-F-15733 titled "General Specification for filters and Capacitors, Radio Frequency Interference." These filters are basically used on shielded areas to prevent interference from penetrating the area or on classified shielded areas.

ELECTRICAL

↑ INSERTION LOSS: Each filter shall provide an insertion loss of 100db minimum over the entire frequency range when measured in accordance with MIL-STD-220A full load condition.

For MTK-F Series - Insertion Loss; 100db from 14 KHz to 10GHz measured in accordance with MIL-STD-220A, load condition 100KHz to 20MHz, and full load measurements from 14 KHz - 100KHz using extended range buffer networks.

For MTK-N Series - Insertion Loss: 100 db from 14KHz to 10GHz measured in accordance with MIL-STD-220A, load condition from 100KHz to 20MHz.

CURRENT RATING: Each filter is capable of withstanding 140% of rated current overload for 15 minutes without any deterioration.

VOLTAGE: Each filter is capable of operating continuously at full rated voltage. Each filter shall withstand twice rated DC voltage for one minute prior to shipment. The maximum voltage drop for each filter shall be 2 volts.

HARMONIC DISTORTION: Less than 5%.

TEMPERATURE RISE: Each individual filter shall not exceed a temperature rise of 25°C. Each assembled power cabinet shall not exceed a temperature rise of 40°C.

SAFETY DISCHARGE: As required assembled power cabinet shall be provided with a bleeder resistor P/N BR-1 for each circuit.

MECHANICAL

CASE: The cases of each individual filter shall be made of cold rolled steel, minimum thickness #18 gauge. Each individual filter case is electro-tinned or hot tin dipped. Each unit is filled with a solid potting compound and hermetically sealed. Each individual filter is field replaceable without the use of special tools.

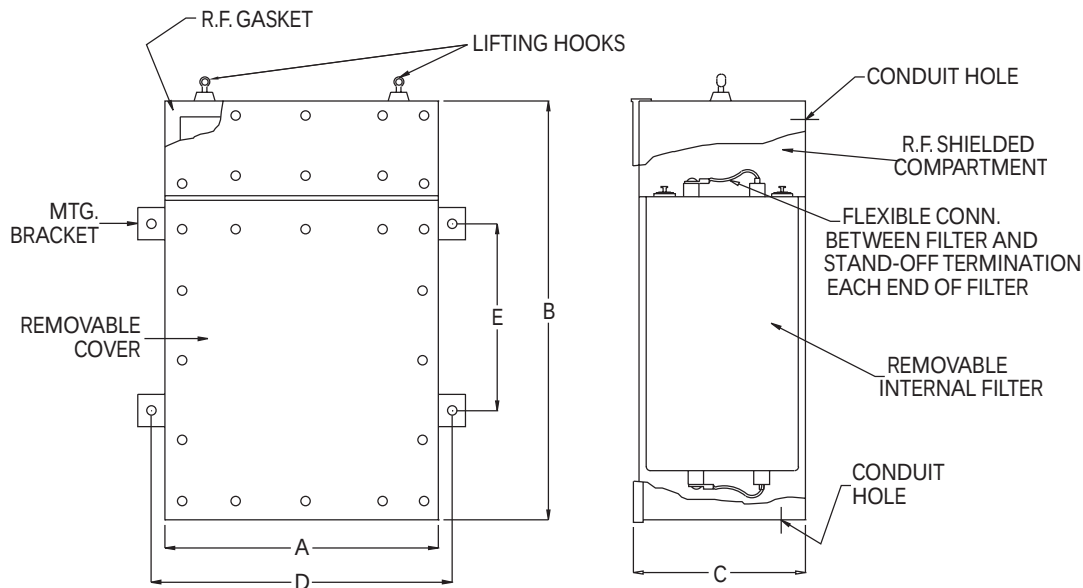
TERMINALS: The terminals are made of high temperature metalized ceramic. Each terminal is supplied with a flexible insulated wire terminating at a U/L approved flame-retardent plastic stand-off insulator with a hex-head screw. All service connections shall be made at the stand-off insulator.

POTTING COMPOUND: The potting compound used in the individual filters conforms to MIL-F-15733, flash point, paragraph 3.16.

CABINET CONSTRUCTION: Each cabinet is constructed from cold rolled steel. All seams are welded. The R.F. shield between the dirty and clean side is suitably plated. The filters are mounted to the shield using woven R.F. Gasket. The cover on the clean side chamber is attached with an R.F. Gasket and removable screws with appropriate spacing. All other areas not requiring conductivity are painted.



POWER LINE FILTERS MTK-F & MTK-N



POWER LINE FILTERS

5 to 200 AMP Circuits

600 VDC, 0-277 Vac Line to Neutral

0-480 Vac Line to Line, 0-60 Hz.

400 Hz. Filters available, contact factory

FEATURES

- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Each individual filter circuit is replaceable in the field without the use of special tools.
- Each individual filter circuit is hermetically sealed.
- Terminals: Each circuit is terminated with a flexible lead to an electrical standoff preventing damage to the terminals.
- Maximum voltage drop: 2 Volts
- Maximum operating temperature 85°C
- Overload safety: 140% rated current for 15 minutes.
- Case: Steel all welded construction suitably plated on grounding surfaces and painted or plated on all other surfaces.

MTK-F SERIES

MTK-N SERIES

INSERTION LOSS: 100 db from 14KHz to 10GHz in accordance with MIL-STD-220A, load condition. Also Measured under full load condition from 14 KHz to 20MHz with Extended range buffer networks.

INSERTION LOSS: 100 db from 14KHz to 10GHz measured in accordance with MIL-STD-220A, load condition.

PART NO.	CURRENT AMPERES	DIMENSIONS, INCHES					CONDUIT HOLE DIA.	APPROX WEIGHT (LBS.)
		A	B	C	D	E		
MTK1F5G	5	12 1/4	29	5	14 1/4	17	7/8	45
MTK2F5	2x5	12 1/4	29	5	14 1/4	17	7/8	65
MTK2F5G	2x5	12 1/4	29	5	14 1/4	17	7/8	65
MTK3F5	3x5	20	29	5	22	17	7/8	95
MTK3F5G	3x5	20	29	5	22	17	7/8	95
MTK4F5	4x5	20	29	5	22	17	7/8	115
MTK1F10G	10	12 1/4	29	5	14 1/4	17	7/8	50
MTK2F10	2x10	12 1/4	29	5	14 1/4	17	7/8	75
MTK2F10G	2x10	12 1/4	29	5	14 1/4	17	7/8	75
MTK3F10	3x10	20	29	5	22	17	7/8	110
MTK3F10G	3x10	20	29	5	22	17	7/8	110
MTK4F10	4x10	20	29	5	22	17	7/8	135
MTK1F15G	15	12 1/4	29	5	14 1/4	17	7/8	55
MTK2F15	2x15	12 1/4	29	5	14 1/4	17	7/8	85
MTK2F15G	2x15	12 1/4	29	5	14 1/4	17	7/8	85
MTK3F15	3x15	20	29	5	22	17	7/8	125
MTK3F15G	3x15	20	29	5	22	17	7/8	125
MTK4F15	4x15	20	29	5	22	17	7/8	155
MTK1F30G	30	12 1/4	37	5	4 1/4	25	1 3/8	95
MTK2F30	2x30	12 1/4	37	5	14 1/4	25	1 3/8	145
MTK2F30G	2x30	12 1/4	37	5	14 1/4	25	1 3/8	145
MTK3F30	3x30	20	37	5	22 2	5	1 3/8	225
MTK3F30G	3x30	20	37	5	22	25	1 3/8	225
MTK4F30	4x30	20	37	5	22	25	1 3/8	275
MTK1F50G	50	15 1/2	48	11	17 1/2	36	1 3/4	205
MTK2F50	2x50	15 1/2	48	11	17 1/2	36	1 3/4	305
MTK2F50G	2x50	15 1/2	48	11	17 1/2	36	1 3/4	305
MTK3F50	3x50	25	48	11	27	36	1 3/4	445
MTK3F50G	3x50	25	48	11	27	36	1 3/4	445
MTK4F50	4x50	25	48	11	27	36	1 3/4	545
MTK1F100G	100	16 1/2	60	11	18 1/2	48	2	265
MTK1F100	2X100	16 1/2	60	11	18 1/2	48	2	400
MTK2F100G	2X100	16 1/2	60	11	18 1/2	48	2	400
MTK3F100	3X100	25	60	11	27	48	2	580
MTK3F100G	3X100	25	60	11	27	48	2	580
MTK4F100	4X100	25	60	11	27	48	2	715
MTK1F150G	150	17 1/2	60	17	19 1/2	48	2 1/2	415
MTK2F150	2X150	17 1/2	60	17	19 1/2	48	2 1/2	665
MTK2F150G	2X150	17 1/2	60	17	19 1/2	48	2 1/2	665
MTK3F150	3X150	25	60	17	27	48	2 1/2	965
MTK3F150G	3X150	25	60	17	27	48	2 1/2	965
MTK4F150	4X150	25	60	17	27	48	2 1/2	1215
MTK1F200G	200	17 1/2	60	25	19 1/2	48	3	595
MTK2F200	2X200	17 1/2	60	25	19 1/2	48	3	970
MTK2F200G	2X200	17 1/2	60	25	19 1/2	48	3	970
MTK3F200	3X200	25	60	25	27	48	3	1395
MTK3F200G	3X200	25	60	25	27	48	3	1395
MTK4F200	4X200	25	60	25	27	48	3	1770

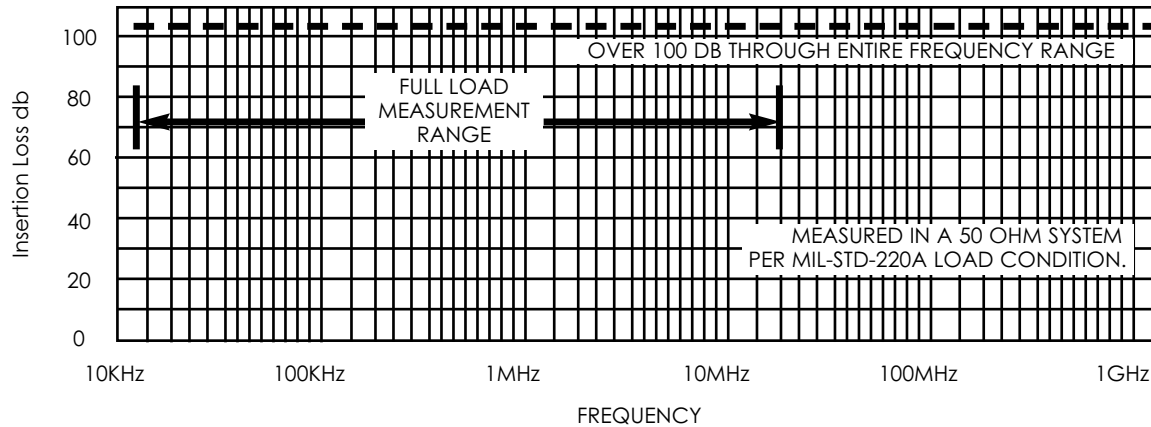
PART NO.	CURRENT AMPERES	DIMENSIONS, INCHES					CONDUIT HOLE DIA.	APPROX WEIGHT (LBS.)
		A	B	C	D	E		
MTK1N5G	5	12 1/4	29	5	14 1/4	17	7/8	35
MTK2N5	2x5	12 1/4	29	5	14 1/4	17	7/8	45
MTK2N5G	2x5	12 1/4	29	5	14 1/4	17	7/8	45
MTK3N5	3x5	20	29	5	22	17	7/8	65
MTK3N5G	3x5	20	29	5	22	17	7/8	65
MTK4N5	4x5	20	29	5	22	17	7/8	75
MTK1N10G	10	12 1/4	29	5	14 1/4	17	7/8	40
MTK2N10	2x10	12 1/4	29	5	14 1/4	17	7/8	50
MTK2N10G	2x10	12 1/4	29	5	14 1/4	17	7/8	50
MTK3N10	3x10	20	29	5	22	17	7/8	70
MTK3N10G	3x10	20	29	5	22	17	7/8	70
MTK4N10	4x10	20	29	5	22	17	7/8	80
MTK1N15G	15	12 1/4	29	5	14 1/4	17	7/8	40
MTK2N15	2x15	12 1/4	29	5	14 1/4	17	7/8	55
MTK2N15G	2x15	12 1/4	29	5	14 1/4	17	7/8	55
MTK3N15	3x15	20	29	5	22	17	7/8	80
MTK3N15G	3x15	20	29	5	22	17	7/8	80
MTK4N15	4x15	20	29	5	22	17	7/8	95
MTK1N30G	30	12 1/4	37	5	14 1/4	25	1 3/8	75
MTK2N30	2x30	12 1/4	37	5	14 1/4	25	1 3/8	105
MTK2N30G	2x30	12 1/4	37	5	14 1/4	25	1 3/8	105
MTK3N30	3x30	20	37	5	22	25	1 3/8	145
MTK3N30G	3x30	20	37	5	22	25	1 3/8	145
MTK4N30	4x30	20	37	5	22	25	1 3/8	175
MTK1N50G	50	12 1/4	37	5	14 1/4	25	1 3/4	75
MTK2N50	2x50	12 1/4	37	5	14 1/4	25	1 3/4	105
MTK2N50G	2x50	12 1/4	37	5	14 1/4	25	1 3/4	105
MTK3N50	3x50	20	37	5	22	25	1 3/4	145
MTK3N50G	3x50	20	37	5	22	25	1 3/4	145
MTK4N50	4x50	20	37	5	22	25	1 3/4	175
MTK1N100G	100	16 1/2	37	11	18 1/2	25	2	120
MTK2N100	2x100	16 1/2	37	11	18 1/2	25	2	170
MTK2N100G	2x100	16 1/2	37	11	18 1/2	25	2	170
MTK3N100	3x100	25	37	11	27	25	2	240
MTK3N100G	3x100	25	37	11	27	25	2	240
MTK4N100	4x100	25	37	11	27	25	2	290
MTK1N150G	150	17 1/2	40	17	19 1/2	25	2 1/2	210
MTK2N150	2x150	17 1/2	40	17	19 1/2	28	2 1/2	310
MTK2N150G	2x150	17 1/2	40	17	19 1/2	28	2 1/2	310
MTK3N150	3x150	25	40	17	27	28	2 1/2	445
MTK3N150G	3x150	25	40	17	27	28	2 1/2	445
MTK4N150	4x150	25	40	17	27	28	2 1/2	545
MTK1N200G	200	17 1/2	40	17	19 1/2	28	3	210
MTK2N200	2x200	17 1/2	40	17	19 1/2	28	3	310
MTK2N200G	2x200	17 1/2	40	17	19 1/2	28	3	310
MTK3N200	3x200	25	40	17	27	28	3	445
MTK3N200G	3x200	25	40	17	27	28	3	445
MTK4N200	4x200	25	40	17	27	28	3	545

**"G" denotes that case includes grounded neutral conductor stud.

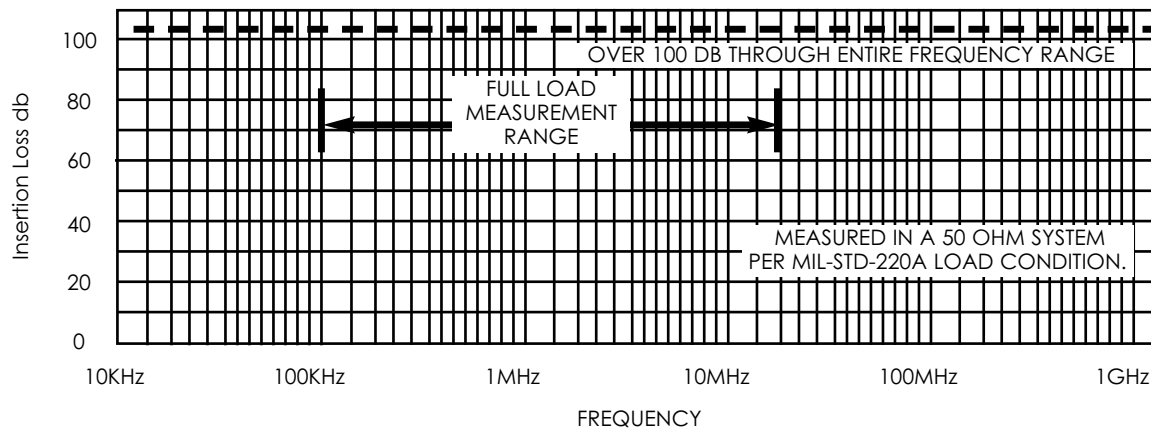


MTK-F SERIES

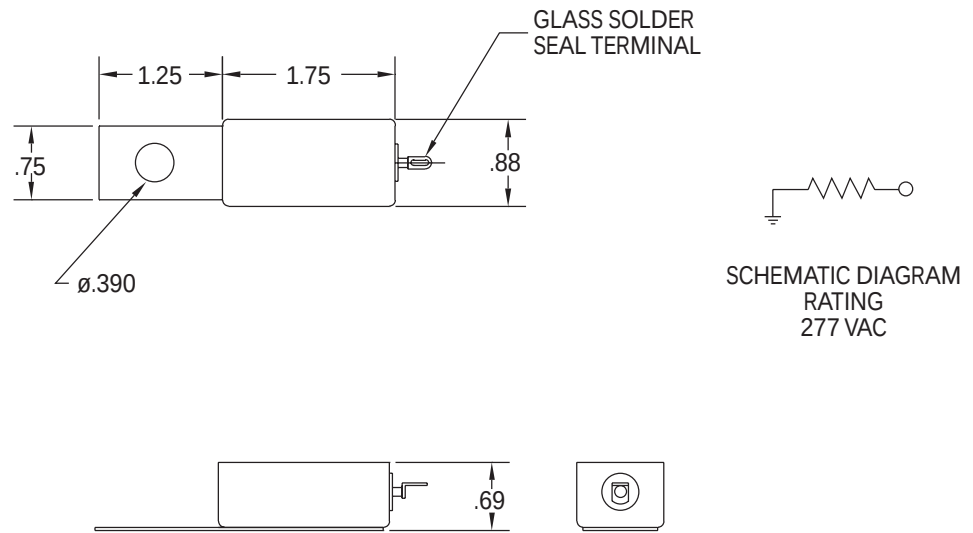
SPECIAL: Also Measured under full load conditions from 14 KHz to 20 MHz with extended range buffer networks.



MTK-N SERIES



FILTER DISCHARGE UNIT BR-1



FEATURES

- Designed and manufactured by MTK
- Unit hermetically sealed
- Case: Metal, suitably plated to withstand corrosion.

APPLICATION

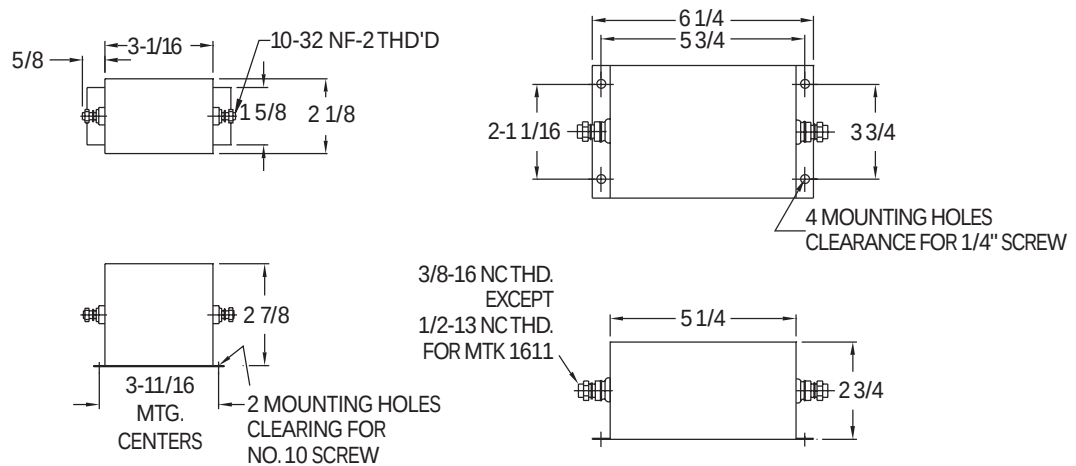
RFI/EMC filters contain large, high quality capacitor sections which can store lethal charges of electrical energy for long time periods after the main source of electrical power has been turned off.

All filtered circuits, lighting, power outlets and equipment power supply lines can remain alive and charged and present a serious hazard to personnel and equipment unless filter capacitors are properly and safely discharged.

The capacitor discharge device is a mandatory safety requirement under National Electrical Code, Article 460 and National Electrical Manufacturers Association, NEMA Standard 11-17-1960.

MTK Filter Discharge Units, BR-1, are presently being specified and installed at government and commercial facilities throughout the world.

RFI/EMC FILTERS FOR 5 TO 300 AMP CIRCUITS

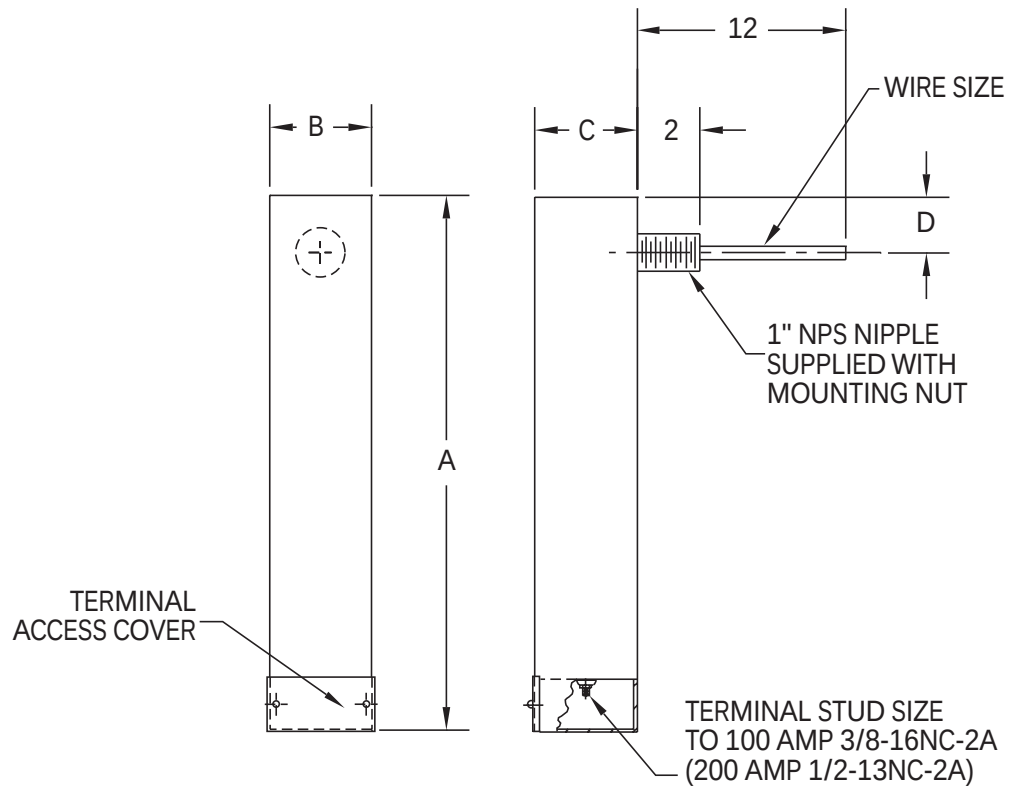


FEATURES

- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Case: Metal, suitably plated to withstand corrosion.
- Economical.

PART NO.	MAX. CURRENT (AMPS)	MAX. VOLTAGE AC DC	POWER LINE FREQUENCY	APPROX. WT. (LBS.)	Insertion Loss db									
					0.15 MHZ	0.3 MHZ	0.5 MHZ	1.0 MHZ	5.0 MHZ	10 MHZ	30 MHZ	50 MHZ	100 MHZ	150 MHZ
MTK 1603	5	250 600	0-60Hz	1.50	62	85	84	77	69	64	55	51	47	42
MTK 1604	10			1.50	62	85	84	77	69	64	55	51	47	42
MTK 1605	15			1.75	47	67	83	85	73	68	63	59	50	42
MTK 1606	25			1.75	47	67	83	85	73	68	63	59	50	42
MTK 1607	50			1.75	40	64	81	79	70	65	57	53	45	40
MTK 1608	75			5.25	67	86	91	89	73	68	60	54	40	33
MTK 1609	100			5.25	67	86	91	89	73	68	60	54	40	33
MTK 1610	200			6.25	43	65	89	90	79	74	62	61	44	26
MTK 1611	300		0-60Hz	6.50	44	67	71	67	55	46	40	35	32	25
MTK 1612	5		0-400Hz	1.50	62	85	84	77	69	64	55	51	47	42
MTK 1613	10			1.50	62	85	84	77	69	64	55	51	47	42
MTK 1614	15			1.75	47	67	83	85	73	68	63	59	50	42
MTK 1615	25			1.75	47	67	83	85	73	68	63	59	50	42
MTK 1616	50			1.75	40	64	81	79	70	65	57	53	45	40
MTK 1617	75			5.25	67	86	91	89	73	68	60	54	40	33
MTK 1618	100	250 600	0-400Hz	5.25	67	86	91	89	73	68	60	54	40	33

POWER LINE FILTERS FOR SHIELDED AREAS

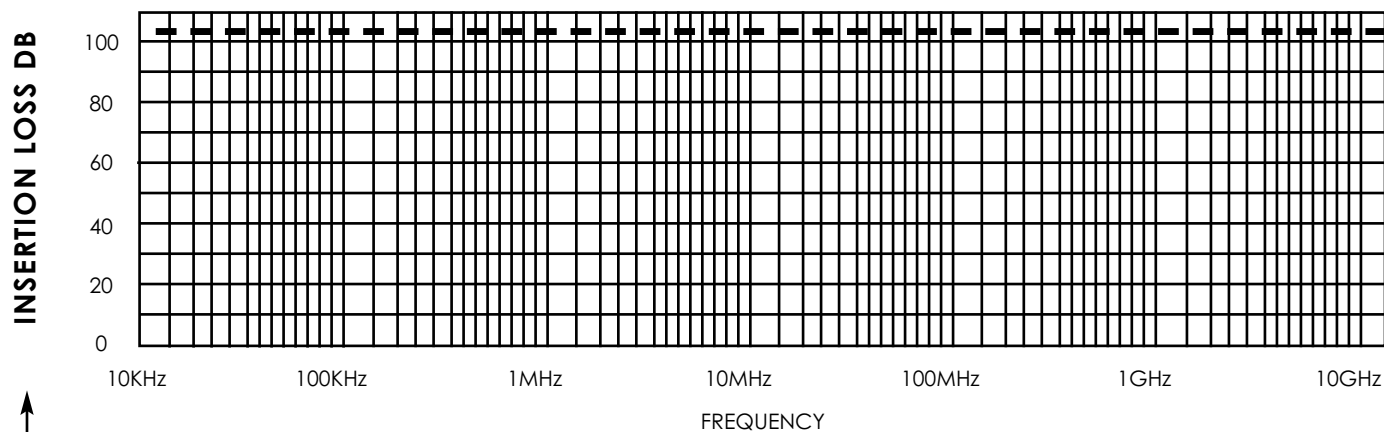


FEATURES

- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Penetration is terminated with a flexible lead.
- Maximum voltage drop: 2 Volts.
- Maximum operating temperature 85°C
- Overload Safety: 140% rated current for 15 minutes.
- Case; Steel suitably plated to withstand corrosion.

POWER LINE FILTERS FOR SHIELDED AREAS

TYPICAL ATTENUATION CHARACTERISTICS



PART NO.	RATING	DIMENSIONS				WIRE SIZE
		A	B	C	D	
M1141	10 AMP 277 VAC 60 Hz 600 VDC	18	4	4	1 1/2	No. 10
M1131	30 AMP 277 VAC 60Hz 600 VDC	18	4	4	1 1/2	No. 10
M1070	50 AMP 277 VAC 60Hz 600 VDC	24	4	4	1 1/2	No. 6
M1072	100 AMP 277 VAC 60Hz 600 VDC	29	4 1/2	4 1/2	2	No. 2
M1139	200 AMP 277 VAC 60Hz 600 VDC	29	10	4 1/2	1 1/2	No. 2/0

HIGH PERFORMANCE SERIES

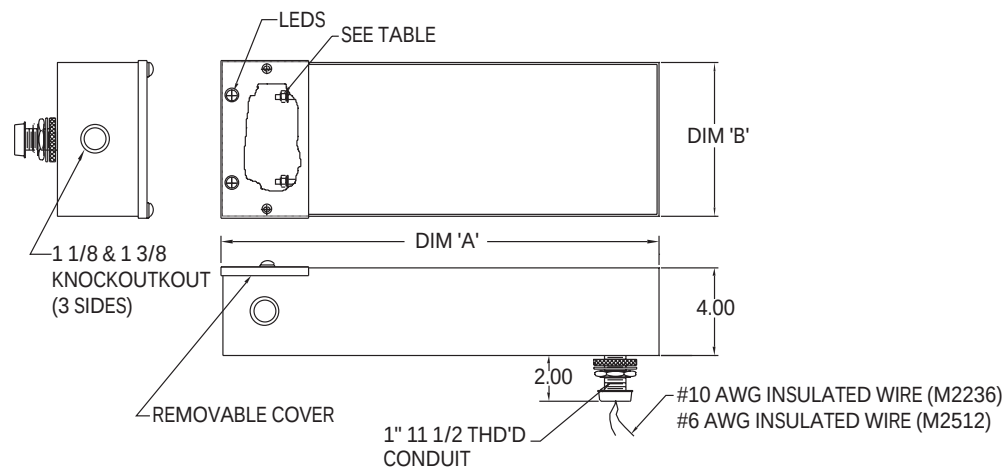
100 db from 14 KHz to 10GHz in accordance with MIL-STD-220A, load condition.

SPECIAL: Also measured under full load condition from 14KHz to 20MHz with extended range buffer networks.

PART NO.	RATING	DIMENSIONS				WIRE SIZE
		A	B	C	D	
M1535	10 AMP 277 VAC 60Hz 600 VDC	28	5	5	1 1/2	No.10
M1536	30 AMP 277 VAC 60Hz 600 VDC	28	5	5	1 1/2	No. 10
M1537	50 AMP 277 VAC 60Hz 600 VDC	30	5 1/4	5 1/4	1 1/2	No. 6
M1538	100 AMP 277 VAC 60Hz 600 VDC	43	7 1/2	5 1/4	1 1/2	No. 2
M1539	200 AMP 277 VAC 60Hz 600 VDC	43	15	5 1/4	1 1/2	No. 2/0

SHIELDED ENCLOSURE

DUAL POWERLINE FILTER



Current: (see table)

Freq.: 60 HZ

Voltage: 277 VAC

Atten: 100DB@14 KHZ

Mat'l: Solder plated CRS

Internal construction encapsulated

MTK PN	DIM 'A'	DIM 'B'	STUD	CURRENT
M2236	20.12	7.00	#10-32	30 AMPS
M2512	26.12	8.00	1/4-20	50 AMPS

Current: 2 X 30 AMPS

Freq.: 60 HZ

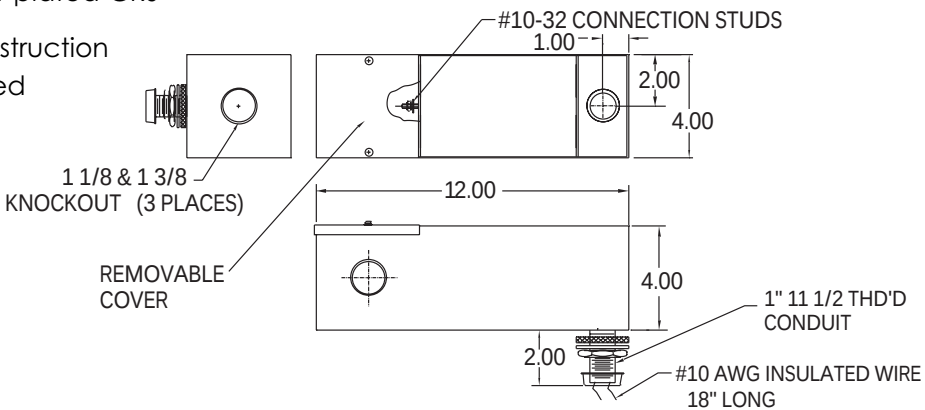
Voltage: 277 VAC

Atten: 100DB, 10 MHZ-1 GHZ

Mat'l: Solder plated CRS

Internal construction
encapsulated

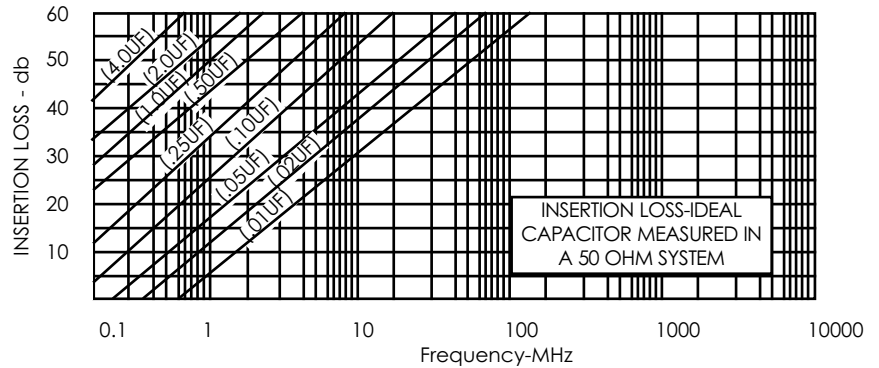
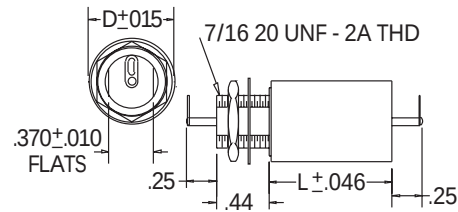
MRI FILTER



FEATURES

FEED-THROUGH CAPACITORS

MTK Part No.	Rated Current	Nominal Capacitance	Rated A.C.	Voltage D.C.	Dimensions D	L
M2660-473	20A	0.047 UFD	-	100	.750	.875
M2660-104	20A	0.1	-	100	.750	.875
M2660-224	20A	0.22	-	100	.750	1.000
M2660-474	20A	0.47	-	100	.750	1.375
M2660-105	20A	1.0	-	100	.750	2.000
M2660-205	20A	2.0	-	100	1.00	2.125
M2661-473	20A	0.047	-	200	.750	.875
M2661-105	20A	0.1	-	200	.750	.875
M2661-224	20A	0.22	-	200	.750	1.125
M2661-474	20A	0.47	-	200	.750	1.625
M2661-104	20A	1.0	-	200	.750	2.375
M2662-223	20A	0.022	125	400	.750	.875
M2662-473	20A	0.047	125	400	.750	.875
M2662-104	20A	0.1	125	400	.750	1.125
M2662-224	20A	0.22	125	400	.750	1.625
M2662-474	20A	0.47	125	400	.750	2.125
M2662-105	20A	1.0	125	400	1.000	2.125
M2663-103	20A	0.01	250	600	.750	.875
M2663-223	20A	0.022	250	600	.750	.875
M2663-473	20A	0.047	250	600	.750	1.000
M2663-104	20A	0.1	250	600	.750	1.375
M2663-224	20A	0.22	250	600	.750	1.875
M2663-474	20A	0.47	250	600	.750	2.625



FEATURES

Operating temperature: 55°C to + 125°C

DC resistance: 0.01 OHMS max.

Capacitance tolerance: ± 20%

Dielectric test: 2 X rated voltage.

Conforms to applicable requirements of MIL-C-11693.

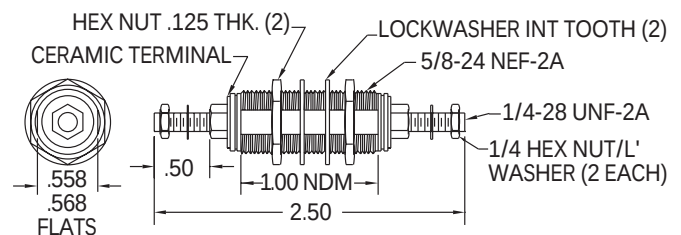
Operating temperature: -55°C to + 105°C

DC resistance: 0.001 OHMS max.

Capacitance tolerance: ± 20%

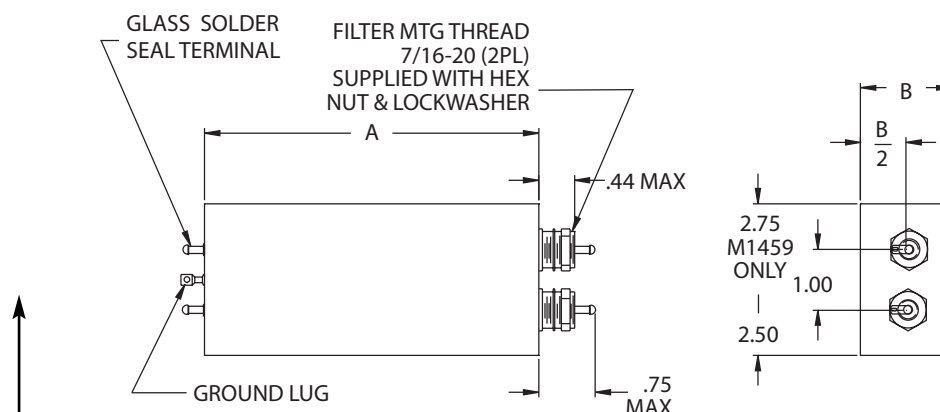
Dielectric test: 2 X rated voltage.

Conforms to applicable requirements of MIL-C-11693.



MTK PN	CURRENT	VOLTS	CAPACITANCE
M1833	50	115 VAC. 200 VDC	.22uf
M2657	50	100 VDC	1.50 uf
M2658	50	115 VAC. 300 VDC	.22 uf
M2659	50	220 VAC. 400 VDC	0.15 uf

TELEPHONE AND SIGNAL FILTERS

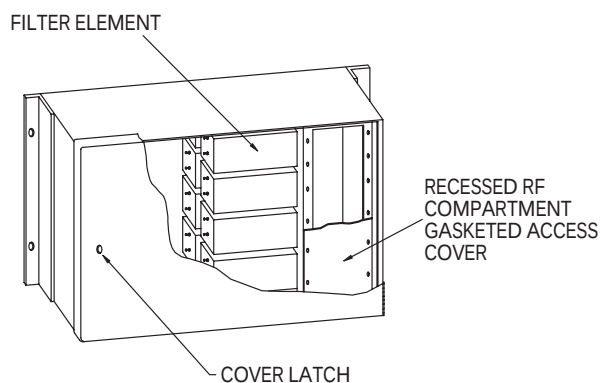


- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Pass band insertion loss measured in a 300 ohm system per MIL-STD-220A (Applicable to telephone filters only).
- Stop band insertion loss measured in a 50 ohm system per MIL-STD-220A.
- Case: Steel suitably plated to withstand corrosion.
- Filters can be supplied installed in cabinets as shown on next page.

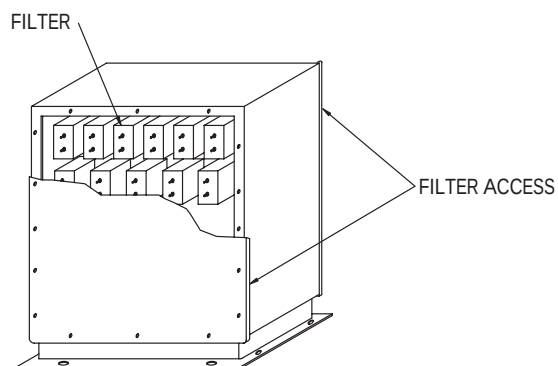
FEATURES

PART NO.	RATING	INSERTION LOSS		DIMENSIONS	
		PASS BAND	STOP BAND	A	B
M1129	2x160 MA 600 VDC	.25 db MAX. @1000Hz .60 db MAX. @3000Hz 1.5 db MAX. @5000Hz	56 db @10KHz 80 db @14KHz 100 db @20KHz 100 db from 25KHz-1000MHz	4.75	1.25
MTK 1214X2	2x0.5 AMP 300 VDC	1.5 db @5KHz	100 db @14KHz	7.00	1.25
M1392	2x0.5 AMP 115VAC 400 VDC	1.5 db @3KHz	100 db From 14KHz-10GHZ	5.50	1.38
M1138-1	2x.15 AMP 250 VAC 60Hz 600 VDC	.4 db MAX. @4KHz 10.0 db MAX. @10KHz	100 db MIN. From 50KHz-1000MHz	4.00	1.25
M1138-2	2x.15 AMP 250 VAC 60Hz 600 VDC	1.0 db MAX. @23KHz	100 db MIN. From 100KHz-1000MHz	4.00	1.25
M1423	2x0.5 AMP 250 VAC 0-60Hz 600 VDC	1.5 db MAX. @3KHz	100 db MIN. From 14KHz-10GHZ	5.50	1.38

PART NO.	APPLICATION	RATING	PASS BAND	STOP BAND	A	B
M1457	Thermostats & Relays	4 AMP 24 VAC 100 VDC	1 db MAX. 0-600Hz Z=5 Ω	100 db 14KHz 50 Ω	7.00	1.25
M1458	Alarms Intrusion Detection	0.02 AMP 250 VAC 600 VDC	1db MAX. 0-1KHz Z=1100 Ω	100 db 14KHz 50 Ω	5.50	1.38
M1459	Control Circuits	1 AMP 125 VAC	1 db Max. 0-1KHz Ω	100 db 14KHz 50 Ω	7.00	1.50
M1460	Data Communications	0.06 Amp 125 VAC 400 VDC	0.5 db MAX. 0-10MHz Z=50 Ω	100 db 30MHz 50 Ω	7.00	1.25
M1470	Thermostats & Relays	5.0 AMP 125 VAC 400 VDC	1db MAX. 0-600Hz Z=5 Ω	100 db 14KHz 50 Ω	7.00	1.50



TYPICAL WALL MOUNTED CABINET
TO ACCOMMODATE 10,25,50 OR
100 FILTER PAIRS



TYPICAL FREE STANDING CABINET
TO ACCOMMODATE UP TO 600 PAIRS

NOTES: Cabinets can be supplied with the filter elements wired to terminal boards for ease of on-site hook-up.

Options also include cabinets with welded conduit hubs or nipples for penetration into shielded or secure areas and to facilitate conduit installation.

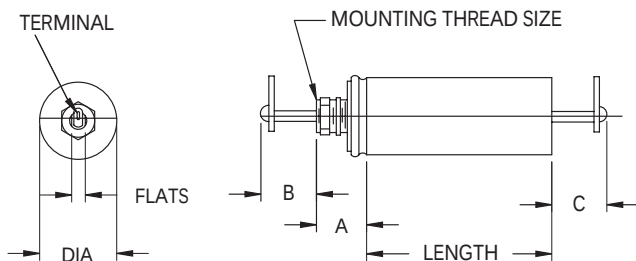
Contact MTK Electronics Inc. for additional cabinet styles and filter configurations.

NO. OF FILTER PAIRS	CABINET DIMENSIONS		
	W	H	D
10	25	9	10
25	25	20	10
50	25	20	20
100	25	36	20

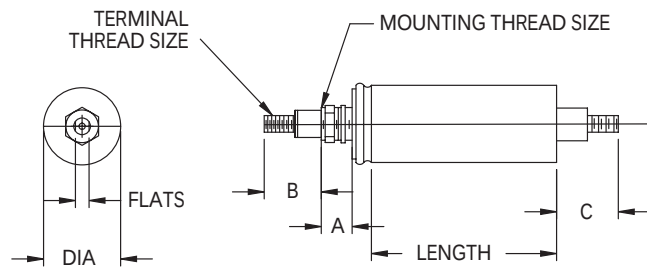
CYLINDRICAL "PI" FILTERS

80 DB MIN @0.15 MHz

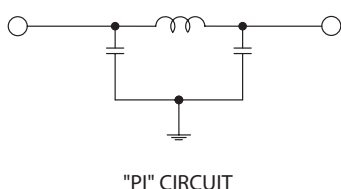
SOLDER LUG TERMINAL



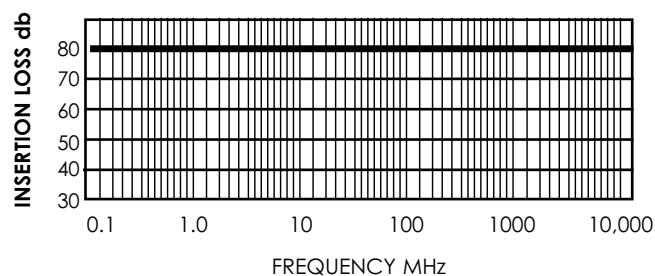
THREADED TERMINAL



CIRCUIT DIAGRAM



TYPICAL ATTENUATION CHARACTERISTICS



FEATURES

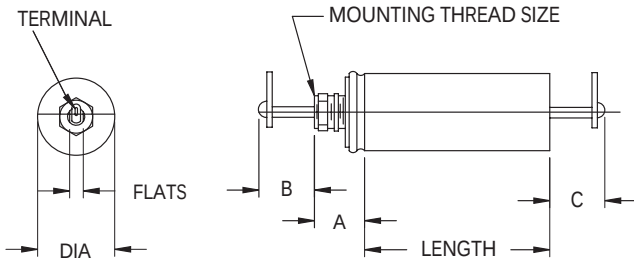
- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Case: Metal, suitably plated to withstand corrosion.

RATING		PART NO.	DIMENSIONS					MOUNTING		TERMINAL HOLE SIZE/ THREAD SIZE
AMPERES	VOLTAGE		DIA.	LENGTH	A	B	C	THREAD	FLATS	
0.5	100VDC	MTK840	1.00	2.25	.44	.25	.25	7/16-20	.370	.09x.19 Slot
1		MTK841	1.00	2.50	.44	.25	.25	7/16-20	.370	.09x.19 Slot
3		MTK842	1.25	4.19	.44	.25	.25	7/16-20	.370	.09x.19 Slot
5		MTK843	1.50	3.88	.50	.69	.69	3/4-20	.656	8-32 THD.
10		MTK844	2.25	3.88	.56	.69	.69	1 1/8-18	1.062	8-32 THD.
0.5	115 VAC	MTK847	1.00	3.00	.44	.25	.25	7/16-20	.370	.09x.19 Slot
1		MTK848	1.13	3.32	.44	.25	.25	7/16-20	.370	.09x.19 Slot
3		MTK849	1.50	3.75	.50	.69	.69	3/4-20	.656	8-32 THD.
5		MTK850	1.50	4.38	.50	.69	.69	3/4-20	.656	8-32 THD.
10		MTK851	2.25	5.25	.56	.69	.69	1 1/8-18	1.062	8-32 THD.
0.5	250 VAC	MTK854	1.13	3.56	.44	.25	.25	7/16-20	.370	.09x.19 Slot
1		MTK855	1.25	4.25	.44	.25	.25	7/16-20	.370	.09x.19 Slot
3		MTK856	1.75	4.50	.50	.69	.69	3/4-20	.656	8-32 THD.
5		MTK857	1.75	5.75	.50	.69	.69	3/4-20	.656	8-32 THD.
10		MTK858	2.25	6.50	.56	.69	.69	1 1/8-18	1.062	8-32 THD.

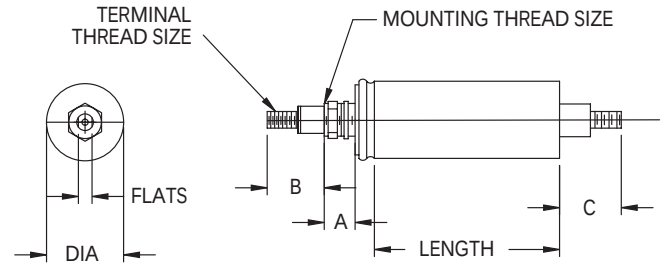
CYLINDRICAL "PI" FILTERS

60 DB MIN @0.15 MHz

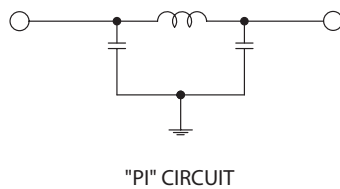
SOLDER LUG TERMINAL



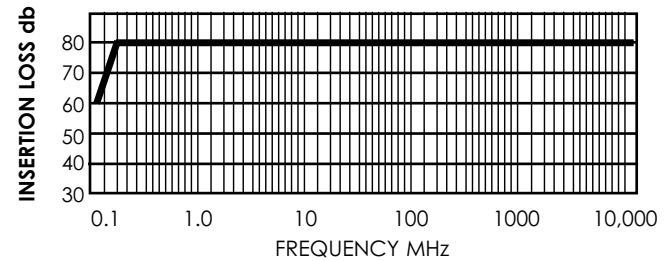
THREADED TERMINAL



CIRCUIT DIAGRAM



TYPICAL ATTENUATION CHARACTERISTICS



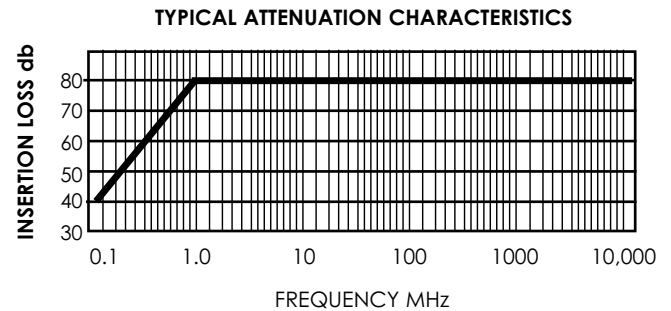
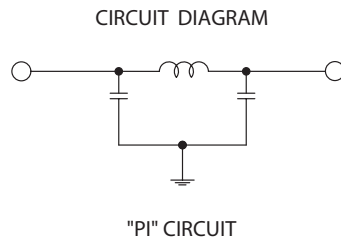
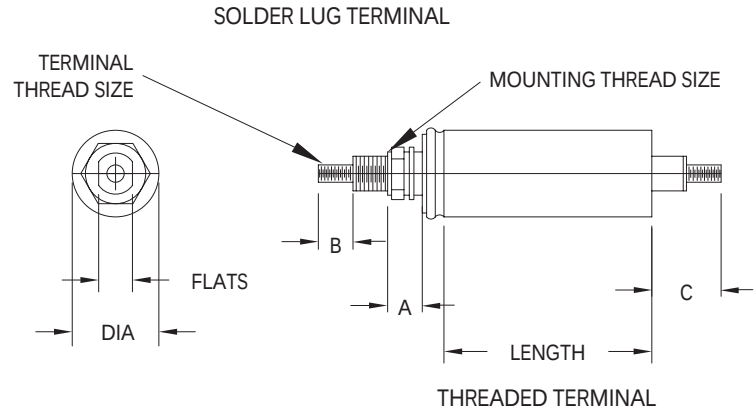
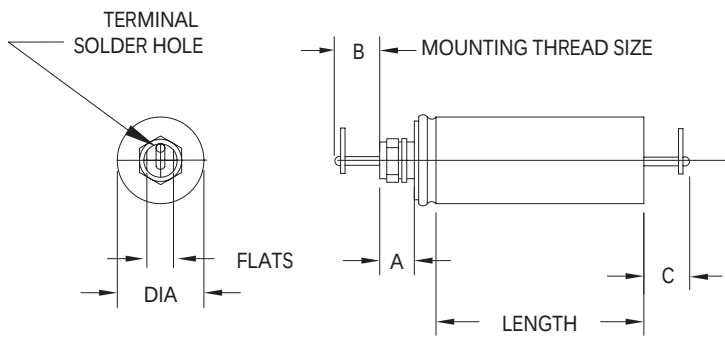
FEATURES

- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Case: Metal, suitably plated to withstand corrosion.

RATING		PART NO.	DIA.	DIMENSIONS				MOUNTING		TERMINAL HOLE SIZE/ THREAD SIZE	
AMPERES	VOLTAGE			LENGTH	A	B	C	THREAD	FLATS		
1	100VDC	MTK821	.75	2.32	.28	.32	.32	5/16-24	.250	.06x.13 SLOT	
3		MTK822	1.13	2.38	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
5		MTK823	1.13	2.64	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
10		MTK824	1.50	3.50	.50	.69	.69	3/4-20	.656	8-32 THD.	
20		MTK825	1.50	3.88	.50	.69	.69	3/4-20	.656	8-32 THD.	
30		MTK826	2.25	4.00	.56	.81	.81	1 1/8-18	1.062	10-32 THD.	
50		MTK827	2.25	4.50	.56	.88	.88	1 1/8-18	1.062	1/4-20 THD.	
1	115 VAC	MTK828	1.00	2.38	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
3		MTK829	1.13	3.00	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
5		MTK830	1.25	4.13	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
10		0-400Hz	MTK831	1.50	4.19	.50	.69	.69	3/4-20	.656	8-32 THD.
20		400 VDC	MTK832	1.75	5.00	.50	.69	.69	3/4-20	.656	8-32 THD.
30		MTK833	2.25	4.88	.56	.81	.81	1 1/8-18	1.062	10-32 THD.	
50		MTK834	2.25	5.75	.56	.88	.88	1 1/8-18	1.062	1/4-20 THD.	
1	250 VAC	MTK835	1.00	3.19	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
3		MTK836	1.25	3.75	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	
5		0-400Hz	MTK837	1.50	4.00	.50	.69	.69	3/4-20	.656	8-32 THD.
10		600 VDC	MTK838	1.50	5.13	.50	.69	.69	3/4-20	.656	8-32 THD.
20		MTK839	2.25	5.00	.56	.69	.69	1-1/8-18	1.062	8-32 THD.	

CYLINDRICAL "PI" FILTERS

40 DB MIN @0.15 MHz

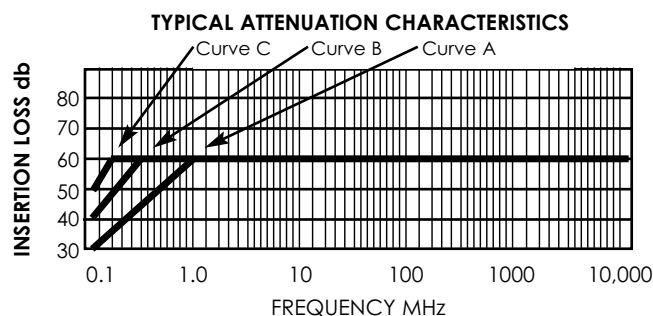
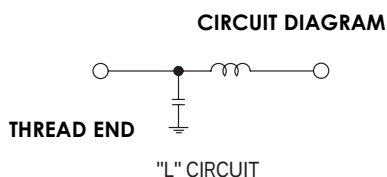
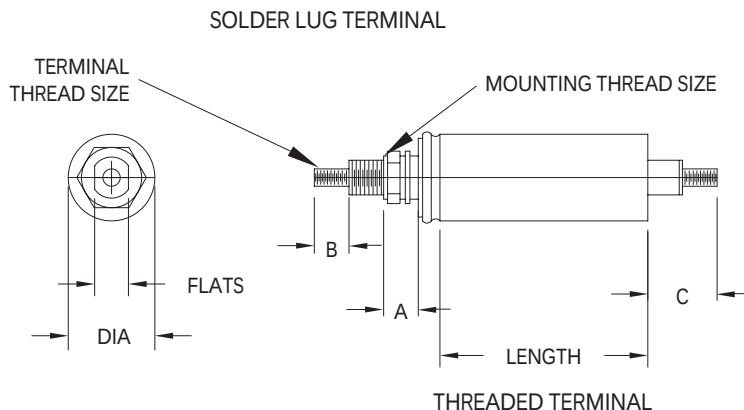
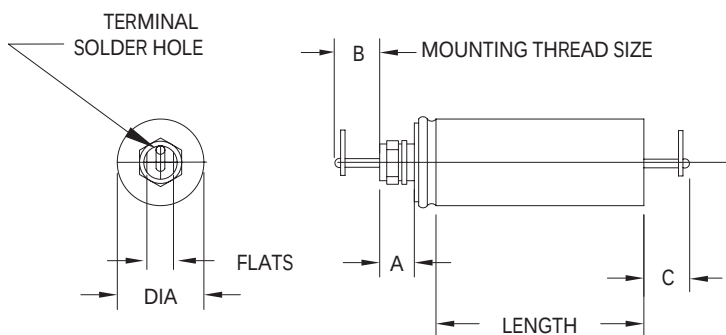


FEATURES

- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Case: Metal, suitably plated to withstand corrosion.

RATING AMPERES	VOLTAGE	PART NO.	DIMENSIONS					MOUNTING		TERMINAL HOLE SIZE/ THREAD SIZE
			DIA.	LENGTH	A	B	C	THREAD	FLATS	
1	100 VDC	MTK800	.67	1.96	.25	.19	.19	1/4-28	.201	.060 HOLE
3		MTK801	.75	2.38	.28	.32	.32	5/16-24	.250	.06x.13 SLOT
5		MTK802	1.13	2.25	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
10		MTK803	1.25	2.58	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
20		MTK804	1.25	3.25	.50	.69	.69	5/8-24	.530	8-32 THD.
30		MTK805	2.25	4.00	.56	.81	.81	1-1/8-18	1.062	10-32 THD.
50		MTK806	2.25	4.00	.56	.88	.88	1 1/8-18	1.062	1/4-20 THD.
1	115VAC 0-400Hz	MTK807	.67	2.32	.25	.19	.19	1/4-28	.201	.060 HOLE
3		MTK808	1.00	2.56	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
5		MTK809	1.13	2.88	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
10		MTK810	1.25	3.25	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
20		MTK811	1.50	3.64	.50	.69	.69	3/4-20	.656	8-32 THD.
30		MTK812	2.25	4.00	.56	.81	.81	1 1/8-18	1.062	10-32 THD.
50	400 VDC	MTK813	2.25	4.00	.56	.88	.88	1 1/8 -18	1.062	1/4-20 THD.
1		MTK814	.75	2.88	.28	.32	.32	5/16-24	.250	.06x.13 SLOT
3		MTK815	1.00	3.19	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
5		MTK816	1.25	3.64	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
10		MTK817	1.25	4.25	.44	.25	.25	7/16-20	.370	.09x.19 SLOT
20		MTK818	1.50	4.50	.50	.69	.69	3/4-20	.656	8-32 THD.
30	600 VDC	MTK819	2.25	5.00	.56	.81	.81	1 1/8-18	1.062	10-32 THD.
50		MTK820	2.25	5.38	.56	.88	.88	1 1/8-18	1.062	1/4-20 THD.

CYLINDRICAL "L" FILTERS

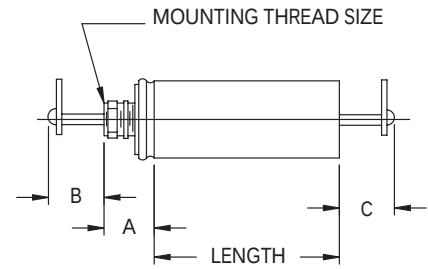
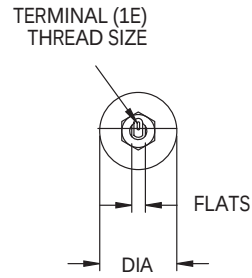


FEATURES

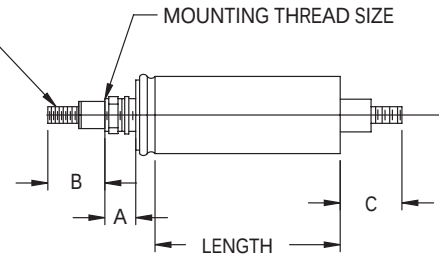
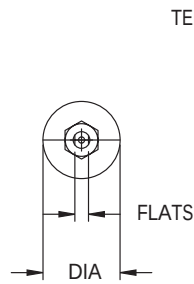
- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Case: Metal, suitably plated to withstand corrosion.

RATING AMPERES VOLTAGE		PART NO.	DIA.	LENGTH	DIMENSIONS			MOUNTING THREAD	FLATS	TERMINAL HOLE SIZE/ THREAD SIZE	CURVE
					A	B	C				
1	100 VDC	MTK861	.67	1.63	.25	.19	.19	1/4-28	.201	.060 HOLE	A
1		MTK862	1.00	1.69	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	C
3		MTK863	.75	1.94	.28	.32	.32	5/16-24	.250	.06x.13 SLOT	A
3		MTK864	1.25	2.81	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	B
5		MTK865	1.13	2.06	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	A
5		MTK866	1.50	2.63	.50	.69	.69	3/4-20	.656	8-32 THD.	B
1	115 VAC	MTK868	.67	1.94	.25	.19	.19	1/4-28	.201	.060 HOLE	A
1		MTK869	1.13	2.13	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	C
3		MTK870	1.00	2.19	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	A
3		MTK871	1.50	2.31	.50	.69	.69	3/4-20	.656	8-32 THD.	B
5		MTK872	1.13	2.69	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	A
5		MTK873	1.50	3.13	.50	.69	.69	3/4-20	.656	8-32 THD.	B
1	250 VAC	MTK874	.75	2.50	.28	.32	.32	5/16-24	.250	.06x.13 SLOT	A
1		MTK875	1.25	2.56	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	C
3		MTK876	1.00	2.81	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	A
3		MTK877	1.75	2.62	.50	.69	.69	3/4-20	.656	8-32 THD.	B
5		MTK878	1.25	3.44	.44	.25	.25	7/16-20	.370	.09x.19 SLOT	A
5		MTK879	1.75	4.06	.50	.69	.69	3/4-20	.656	8-32 THD.	B

CYLINDRICAL "PI" FILTERS MILITARY STYLES



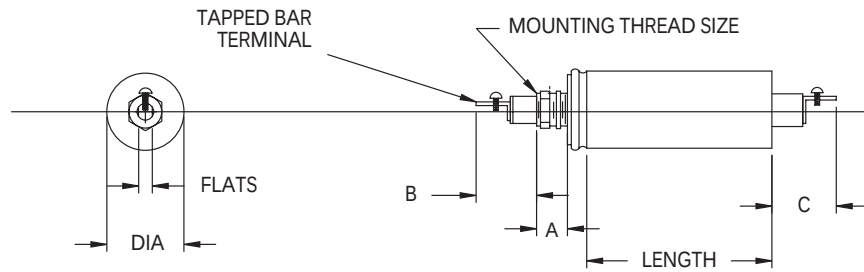
SOLDER LUG TERMINAL



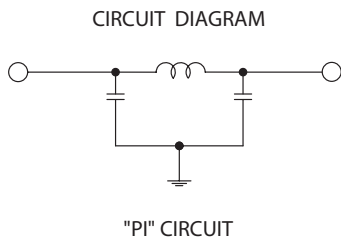
THREADED TERMINAL

FEATURES

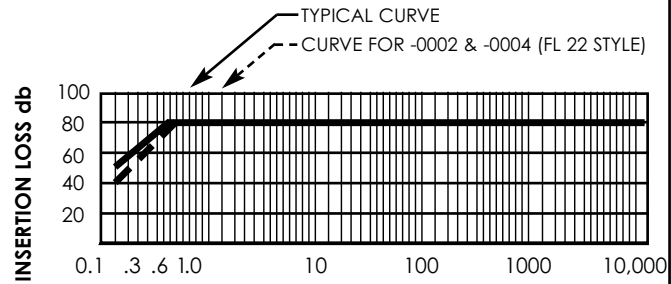
- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Case: Metal, suitably plated to withstand corrosion.



TAPPED BAR TERMINAL



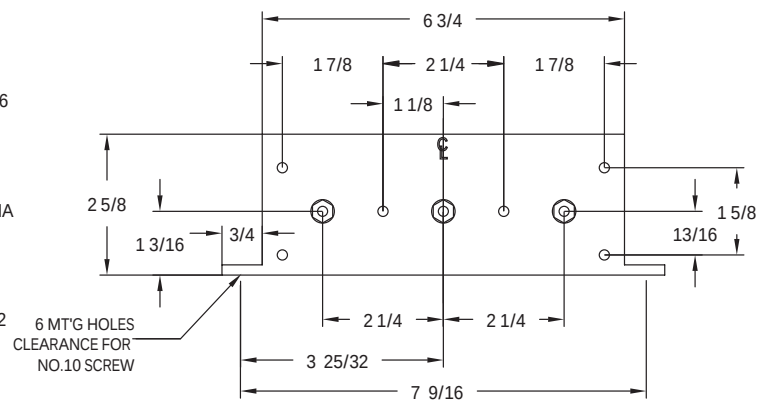
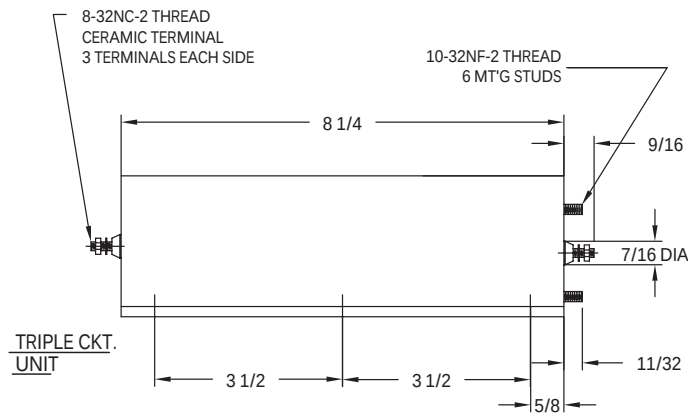
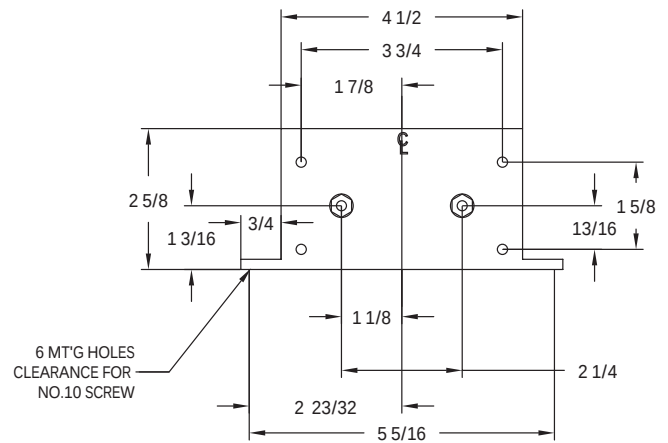
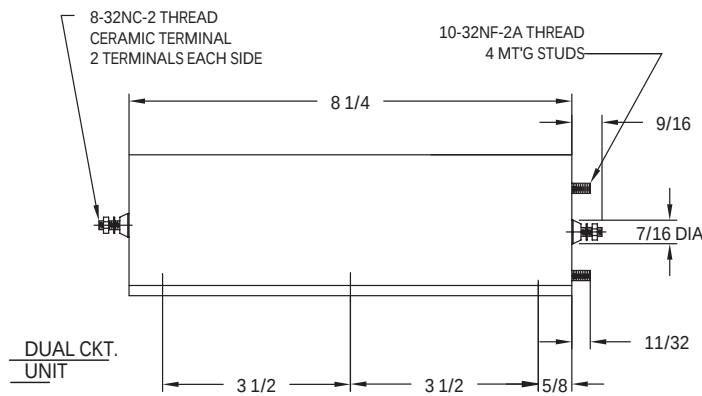
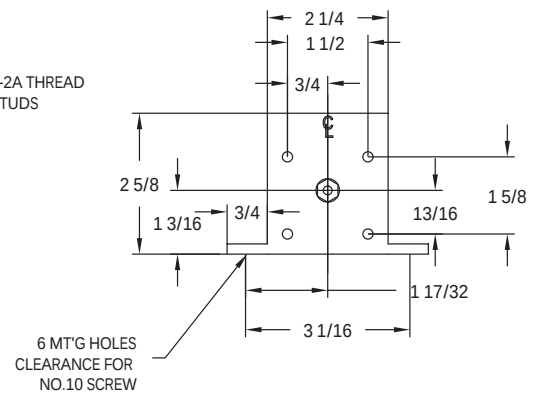
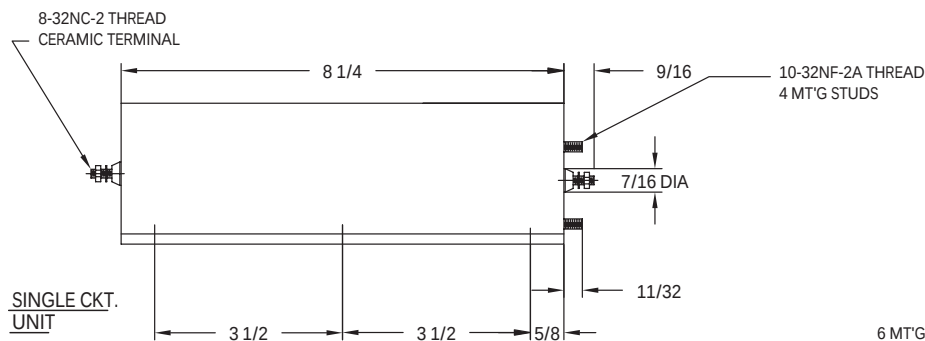
TYPICAL ATTENUATION CHARACTERISTICS
FL22 & FL24



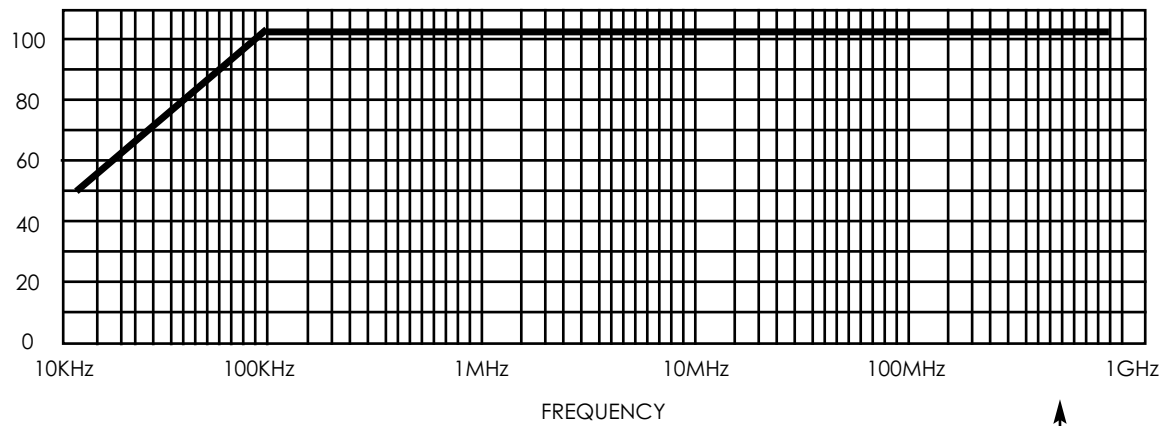
FL 84 STYLE		INSERTION LOSS				
		150KHz	300KHz	MHz	10MHz	1GHz
MI5733/41-0005	MTK 883-5	60	75	80	80	80
MI5733/41-0001	MTK 883-1	25	45	80	80	70
MI5733/41-0006	MTK 883-6	60	-	100	80	-
MI5733/41-0003	MTK 883-3	40	70	80	80	80
MI5733/41-0002	MTK 883-2	55	75	90	90	90
MI5733/41-0004	MTK 883-4	55	-	90	90	-

STYLE	MILITARY EQUIVALENT	PART NO.	RATING		DIMENSIONS					MOUNTING		TERMINAL TYPE & SIZE	
			AMPERES	VOLTAGE	DIA.	LENGTH	A	B	C	THREAD	FLATS		
FL 22	MI5733/1-0001	MTK 881-1	1	100 VDC	.75	2.094	.281	.25	.25	5/16-24	.250	1E	} SOLDER LUG
	MI5733/1-0002	MTK 881-2	5		1.00	2.375	.375	.25	.25	1/2-28	.440	1E	
	MI5733/1-0003	MTK 881-3	5		1.00	2.750	.375	.25	.25	1/2-28	.440	1E	
	MI5733/1-0004	MTK 881-4	10		1.125	2.750	.375	.25	.25	7/16-20	.370	1E	
	MI5733/1-0005	MTK 881-5	10		1.250	2.500	.375	.25	.25	5/8-24	.530	1E	
	MI5733/1-0006	MTK 881-6	20		1.375	3.000	.375	.62	.62	5/8-24	.530	3K-10-32 THD.	
	MI5733/1-0007	MTK 881-7	30		1.500	3.250	.375	.62	.62	3/4-20	.655	3K-10-32 THD.	
FL 24	MI5733/2-0001	MTK 882-1	1	125 VAC 0-400Hz 400 VDC	.875	2.562	.375	.25	.25	1/2-28	.440	1E	} SOLDER LUG
	MI5733/2-0002	MTK 882-2	5		1.125	3.875	.375	.25	.25	5/8-24	.530	1E	
	MI5733/2-0003	MTK 882-3	10		1.250	3.875	.375	.25	.25	3/4-20	.655	1E	
	MI5733/2-0004	MTK 882-4	15		1.375	4.125	.375	.62	.62	3/4-20	.655	3K-10-32 THD.	
	MI5733/2-0005	MTK 882-5	20		1.500	4.156	.375	.62	.62	3/4-20	.655	3K-10-32 THD.	
	MI5733/2-0006	MTK 882-6	55		2.250	4.125	.500	.81	.81	1 1/8-18	1.055	3M-1/4-28 THD.	
MAX. MAX. MAX. NOM. NOM. NOM.													
FL 84	MI5733/41-0005	MTK 883-5	1	125 VAC 0-400Hz 400 VDC 125 VDC	1.032	3.120	.457	.25	.25	7/16-20	.370	1E .09x.19 SLOT	
	MI5733/41-0001	MTK 883-1	10		1.187	2.655	.454	.25	.25	7/16-20	.370	1E .09x.19 SLOT	
	MI5733/41-0006	MTK 883-6	10		1.312	3.500	.391	.40	.40	5/8-24	.531	1E .09x.19 SLOT	
	MI5733/41-0003	MTK 883-3	15		1.270	3.937	.781	.78	.78	3/4-20	.655	Tapped Bar.	
	MI5733/41-0002	MTK 883-2	20		1.395	4.562	.656	.66	.66	3/4-20	.655	Tapped Bar	
	MI5733/41-0004	MTK 883-4	20		1.312	3.031	.391	.40	.40	5/8-24	.531	1E .09x.19 SLOT	

SINGLE, DUAL AND TRIPLE CIRCUIT FILTERS



TYPICAL ATTENUATION CHARACTERISTICS



FEATURES

- Designed, manufactured and tested to the applicable portions of MIL-F-15733.
- Filter hermetically sealed.
- Maximum operating temperature: 85°C
- Overload safety: 140% rated current for 15 minutes.
- Case: Steel, suitably plated to withstand corrosion.

PART NO.	CURRENT AMPERES	LINE TO GROUND VOLTGE AC/DC	POWER LINE FREQ.	APPROX. WT. (LBS.)
MTK1803	5	130/400	0-400Hz	3
MTK1804	10			3
MTK1805	15			3
MTK1806	2x5			6
MTK1807	2x10			6
MTK1808	2x15			6
MTK1809	3x5			9
MTK1810	3x10			9
MTK1811	3x15			9

RECTANGULAR AND TUBULAR FILTERS

INSERTION LOSS

The two digits next to the basic part number under the column marked db is the insertion loss for that filter at a frequency of 150 kilohertz. The symbol db stands for decibels which is a logarithmic ratio of signal input to signal output when measured in a 50 ohm circuit. The higher the decibel number the greater the interference reducing ability of the filter.

The rectangular filters shown have an effective range of performance from below 150 kilohertz to about 400 megahertz. The tubular filters shown are effective from below 150 kilohertz to 10 gigahertz.

BUILD PART NUMBER AS FOLLOWS

1. Select current and voltage of circuit where the filter will be used.
2. Obtain basic part number from table below based on attenuation requirements.
3. Select mounting style from facing page.
4. Select terminal number from page 24.
5. Complete part number this way

70V2.5C H 2

Basic part number Mounting style Terminal No.

RECTANGULAR TYPES EFFECTIVE TO 400 MEGAHERTZ

AMPERES	CASE SIZE			0-70 VDC SERIES		400VDC/150VAC 0-70 SERIES		150VAC 50-1000 HERTZ SERIES		600VDC/250VAC 0-70 HERTZ SERIES		250 VAC 50-1000 HERTZ SERIES	
	A	B	C	Basic Part No.	db	Basic Part No.	db	Basic Part No.	db	Basic Part No.	db	Basic Part No.	db
0.4	1 1/8	1	11/16	70VO.4A	48	400VO.4A	24	150VO.4A	24	—	—	—	—
	1 3/4	1 1/4	7/8	70VO.4B	60	400VO.4B	47	150VO.4B	47	600VO.4B	42	250VO.4B	42
	2	1 1/3	1 1/8	70VO.4C	90	400VO.4C	90	150VO.4C	90	600VO.4C	90	250VO.4C	90
0.63	1 1/8	1	11/16	70VO.6A	48	—	—	—	—	—	—	—	—
	1 3/4	1 1/4	7/8	70VO.6B	56	400VO.6B	40	150VO.6B	40	600VO.6B	35	250VO.6B	35
	2	1 3/4	1 1/8	70VO.6C	90	400VO.6C	85	150VO.6C	92	600VO.6C	83	250VO.6C	87
1.0	1 1/8	1	11/16	70V1.0A	47	—	—	—	—	—	—	—	—
	1 3/4	1 1/4	7/8	70V1.0B	53	400V1.0B	30	150V1.0B	30	600V1.0B	30	250V1.0B	30
	2	1 3/4	1 1/8	70V1.0C	87	400V1.0C	74	150V1.0C	87	600V1.0C	75	250V1.0C	80
2.5	2	1 3/4	1 1/8	70V2.5C	75	400V2.5C	57	150V2.5C	60	600V2.5C	59	250V2.5C	64
	2	2	1 1/4	70V2.5D	80	400V2.5D	63	150V2.5D	67	600V2.5D	69	250V2.5D	70
4.0	2	1 3/4	1 1/8	70V4.0C	72	400V4.0C	48	150V4.0C	52	600V4.0C	50	250V4.0C	52
	2	2	1 1/4	70V4.0D	82	400V4.0D	68	150V4.0D	68	600V4.0D	62	250V4.0D	62
6.3	2	1 3/4	1 1/8	70V6.3C	72	400V6.3C	43	150V6.3C	45	600V6.3C	44	250V6.3C	47
	2	2	1 1/4	70V6.3D	80	400V6.3D	60	150V6.3D	60	600V6.3D	55	250V6.3D	55
	3 1/16	2 7/8	1 5/8	—	—	400V6.3E	88	150V6.3E	90	600V6.3E	75	250V6.3E	75
10	2	1 3/4	1 1/8	70V10C	60	400V10C	40	150V10C	43	600V10C	27	250V10C	30
	2	2	1 1/4	70V10D	72	400V10D	50	150V10D	54	600V10D	35	250V10D	35
	3 1/16	2 7/8	1 5/8	70V10E	90	400V10E	72	150V10E	75	600V10E	63	250V10E	66
16	3 1/16	2 7/8	1 5/8	70V16E	77	400V16E	65	150V16E	65	600V16E	49	250V16E	55
	3 1/16	2 7/8	1 5/8	70V25E	70	400V25E	55	150V25E	55	600V25E	44	250V25E	48
25	3 1/16	2 7/8	2 1/8	70V25F	84	400V25F	60	150V25F	65	600V25F	55	250V25F	60
	3 1/16	2 7/8	1 5/8	70V40E	50	400V40E	20	150V40E	23	600V40E	35	250V40E	35
40	3 1/16	2 7/8	2 1/8	70V40F	75	400V40F	50	150V40F	50	600V40F	45	250V40F	45
	3 1/16	2 7/8	1 5/8	70V63E	50	400V63E	19	150V63E	22	600V63E	35	250V63E	35
63	3 1/16	2 7/8	2 1/8	70V63F	55	400V63F	50	150V63F	50	600V63F	40	250V63F	45
	3 1/2	3 1/2	2 1/2	70V63G	80	400V63G	60	150V63G	60	600V63G	45	250V63G	54
	3 1/16	2 7/8	2 1/8	70V100F	55	400V100F	50	150V100F	50	600V100F	40	250V100F	45
100	3 1/2	3 1/2	2 1/2	70V100G	60	400V100G	55	150V100G	55	600V100G	45	250V100G	50

TUBULAR TYPES EFFECTIVE TO 10 GIGAHERTZ

AMPERES	CASE SIZE		0-70 VDC SERIES		400VDC/150VAC 0-500 HERTZ SERIES		600VDC/250VAC 0-500 HERTZ SERIES	
	DIA	LENGTH	BASIC PART NO.	db	BASIC PART NO.	db	BASIC PART NO.	db
1.0	1	2 1/2	70T1.0W	75	400T1.0W	70	600T1.0W	55
	1	4	70T1.0X	90	400T1.0X	85	600T1.0X	70
2.5	1	2 1/2	70T2.5W	75	400T2.5W	60	—	—
	1	4	70T2.5X	88	400T2.5X	70	600T2.5X	55
	1 3/8	4 1/8	—	—	400T2.5Y	90	600T2.5Y	75
4.0	1	4	70T4.0X	75	400T4.0X	65	600T4.0X	45
	1 3/8	4 1/8	70T4.0Y	90	400T4.0Y	85	600T4.0Y	70
6.3	1	4	70T6.3X	70	—	—	—	—
	1 3/8	4 1/8	70T6.3Y	85	400T6.3Y	65	600T6.3Y	45
	1 1/2	4 3/8	—	—	400T6.3Z	90	600T6.3Z	75
10	1	4	70T10X	60	—	—	—	—
	1 3/8	4 1/8	70T10Y	80	400T10Y	65	600T10Y	45
	1 1/2	4 3/8	—	—	400T10Z	80	600T10Z	60
16	1 3/8	4 1/8	70T16Y	70	400T16Y	55	600T16Y	35
	1 1/2	4 3/8	70T16Z	85	400T16Z	70	600T16Z	50
20	1 1/2	4 3/8	70T20Z	70	400T20Z	60	600T20Z	40



RECTANGULAR AND TUBULAR FILTERS

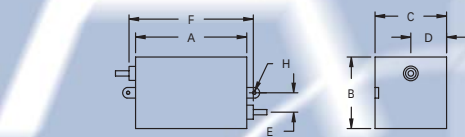
VOLTAGE & CURRENT RATINGS

These filters are rated for continuous operation at a maximum ambient temperature of 85°C (185°F). Any filter may be used at a lower temperature and current than its rating.

These filters have a low voltage drop so they will not interfere with the operation of the equipment they are installed into.

The 70 volt series has a maximum drop of 0.3 volts at full rated current. The 150 volt and 250 volt AC series have a maximum drop of 1% of the AC rating at full rated current.

RECTANGULAR TYPES

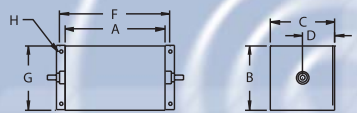


STYLE H

If basic part number contains one of these letters

STYLE H DIMENSIONS ARE

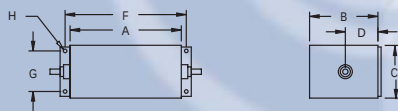
	A	B	C	D	E	F	G	H
A	1 1/8	1	11/16	11/32	1/4	1 7/16	N/A	5/32
B	1 3/4	1 1/4	7/8	7/16	1/4	2 1/8	N/A	3/16
C	2	1 3/4	1 1/8	9/16	1/2	2 3/8	N/A	3/16
D	2	2	1 1/4	5/8	5/8	2 3/8	N/A	3/16



STYLE I

I DIMENSIONS ARE

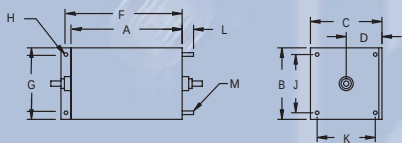
	A	B	C	D	E	F	G	H
E	3 1/16	2 7/8	1 5/8	13/16	N/A	3 5/8	2 1/8	0.195
F	3 1/16	2 7/8	2 1/8	11/16	N/A	3 5/8	2 1/8	0.195
G	3 1/2	3 1/2	2 1/2	1 1/4	N/A	4 1/2	2	0.195



STYLE J

STYLE J DIMENSIONS ARE

	A	B	C	D	E	F	G	H
E	3 1/16	2 7/8	1 5/8	1 7/16	N/A	3 5/8	7/8	0.195
F	3 1/16	2 7/8	2 1/8	1 7/16	N/A	3 5/8	1 3/8	0.195
G	3 1/2	3 1/2	2 1/2	1 3/4	N/A	4 1/2	1 3/4	0.195

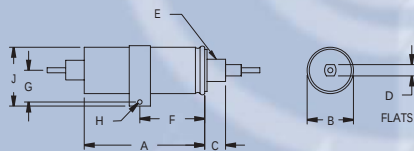


STYLE K

STYLE K DIMENSIONS ARE

	A	B	C	D	E	F	G	H	J	K	L	M
E	3 1/16	2 7/8	1 5/8	13/16	N/A	3 3/8	2 1/8	0.195	2	7/8	15/32	10-32
F	3 1/16	2 7/8	2 1/8	1 1/16	N/A	3 3/8	2 1/8	0.195	2	1 3/8	15/32	10-32
G	3 1/2	3 1/2	2 1/2	1 1/4	N/A	4	2	0.195	2 1/4	1 3/4	15/32	10-32

TUBULAR TYPES

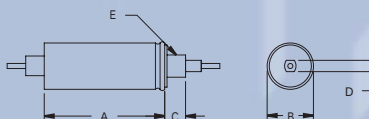


STYLE N

If basic part number contains one of these letters. See term styles on rear cover.

STYLE N DIMENSIONS ARE

	A	B	C	D	E	F	G	H	J
W	2 1/2	1	7/16	3/8	7/16-20NF	1 1/4	3/4	0.156	15/16
X	4	1	7/16	3/8	7/16-20NF	2	3/4	0.156	15/16
Y	4 1/8	1 3/8	5/8	17/32	5/8-24NF	2 1/16	1	0.195	1 1/4
Z	4 3/8	1 1/2	5/8	17/32	5/8-24NF	2 3/16	1 1/8	0.195	1 3/8



STYLE P

STYLE P DIMENSIONS ARE

	A	B	C	D	E
W	2 1/2	1	7/16	3/8	7/16-20NF
X	4	1	7/16	3/8	7/16-20NF
Y	4 1/8	1 3/8	5/8	17/32	5/8-24NF
Z	4 3/8	1 1/2	5/8	17/32	5/8-24NF

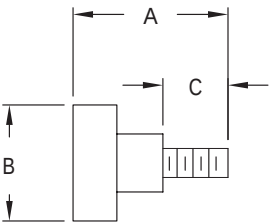
TERMINALS

IF BASIC PART NUMBER CONTAINS ONE OF THESE LETTERS

USE TERMINAL TYPE

FOR THIS CURRENT RANGE

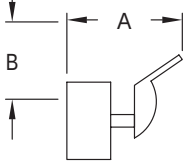
THREADED TERMINAL



Supplied with Nut and Lockwasher.

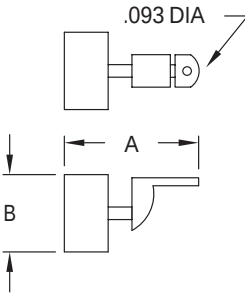
		AMP	THREAD SIZE	A	B	C
ABCDWX	1	0-2.5	4-40	1/2	5/16	3/16
BCDYZ	2	0-10	6-32	5/8	7/16	9/32
BCDEYZ	3	0-16	8-32	5/8	7/16	5/16
EFG	4	4-25	10-32	13/16	1	5/16
EFG	5	10-63	1/4-20	1	1	3/8
EFG	6	25-100	3/8-16	1 1/4	1 1/2	9/16

SOLDER TERMINAL
(45°)



ABCDE	7	0-16	—	13/32	5/16	—
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SOLDER TERMINAL
(90°)

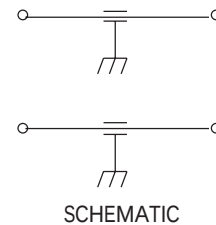
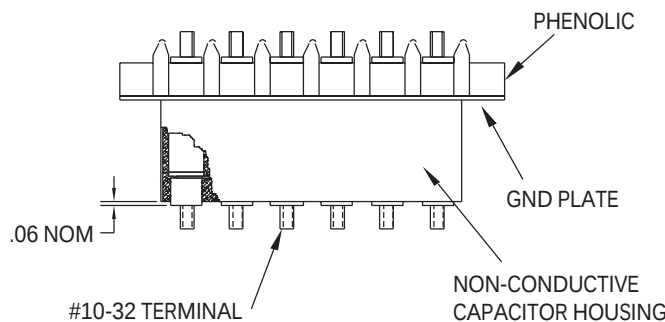
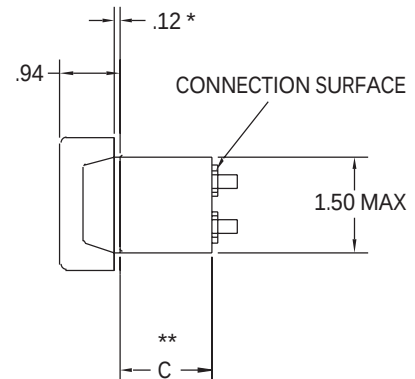
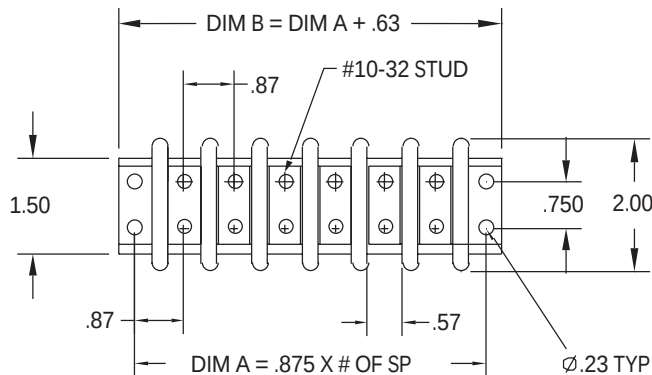


ABCDEWX	8	0-16	—	1/2	5/16	—
YZ	9	0-20	—	1/2	15/32	—

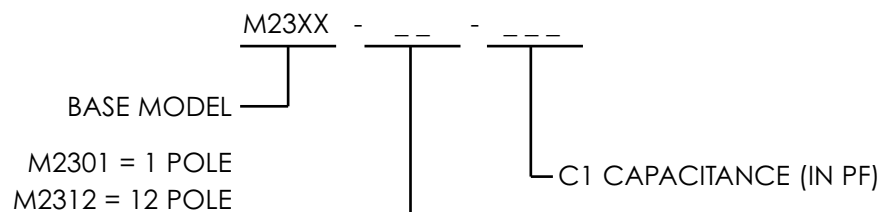
TERMINAL STYLES TO BE USED WITH FILTERS DESCRIBED ON PAGES 20 & 21



FILTERED TERMINAL BLOCKS FEED THRU 30 AMP SERIES



PART NUMBERING SYSTEM

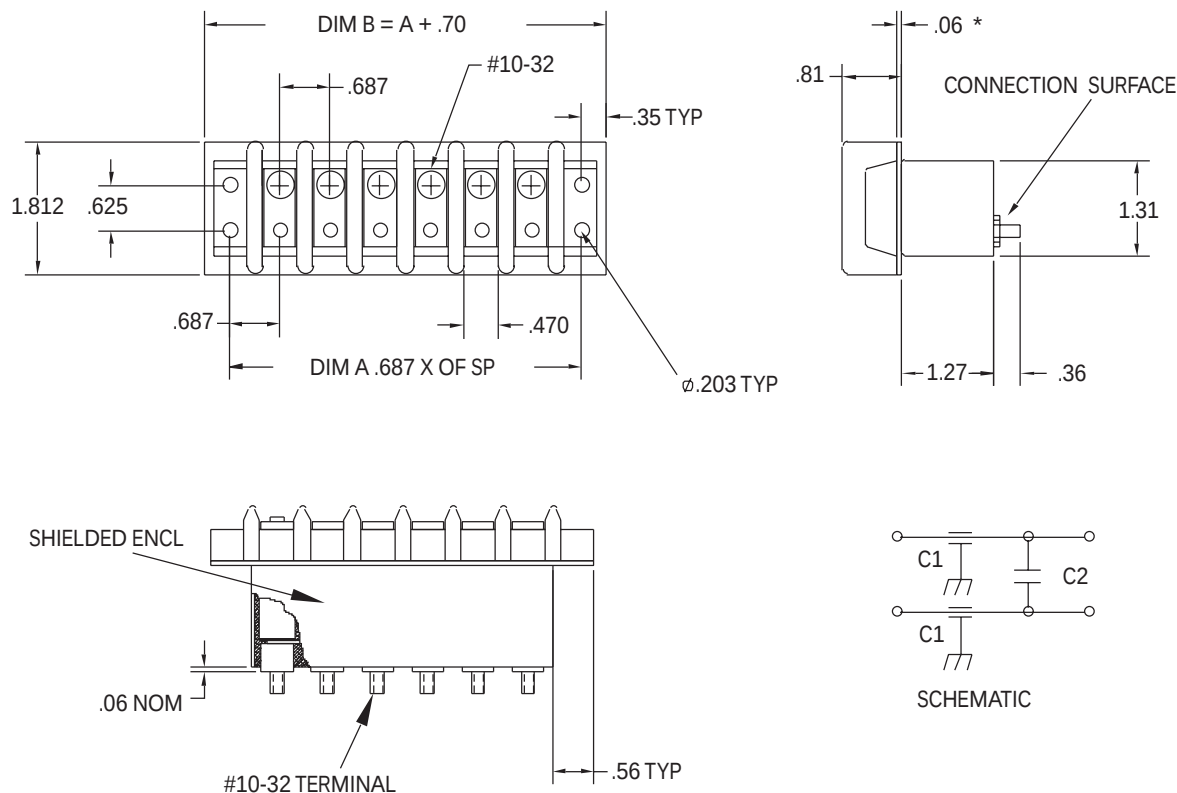


First two digits are significant figures followed by # of zeros (ie: 153 = 15,000 pf)

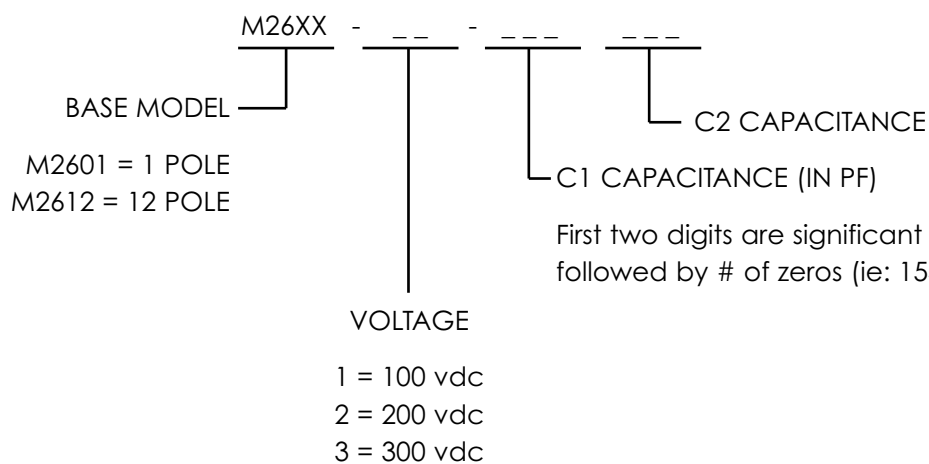
- * BASE PLATE THICKNESS MAY VARY WITH LENGTH (CONSULT FACTORY).
- ** ENCLOSURE LENGTH MAY VARY WITH VOLTAGE CAPACITANCE & CURRENT (CONSULT FACTORY).

FILTER TERMINAL BLOCKS

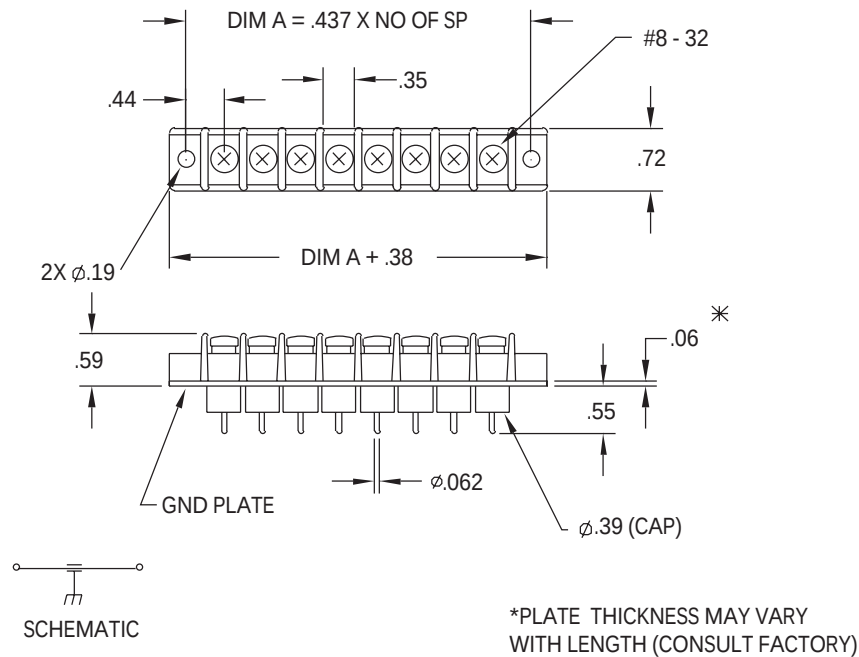
BALANCED CIRCUIT TYPE 50 AMP SERIES



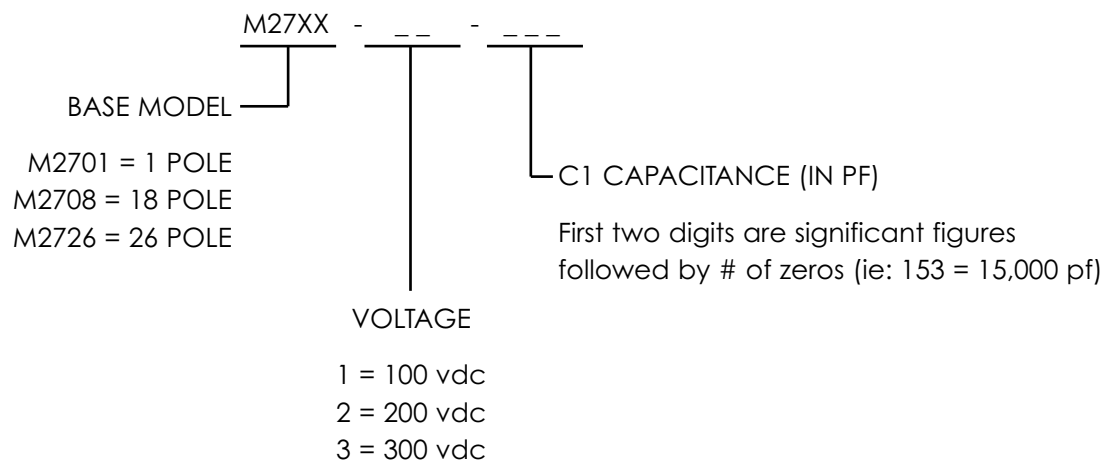
PART NUMBERING SYSTEM



FILTERED TERMINAL BLOCK FEED THRU PRINTED CIRCUIT TYPE

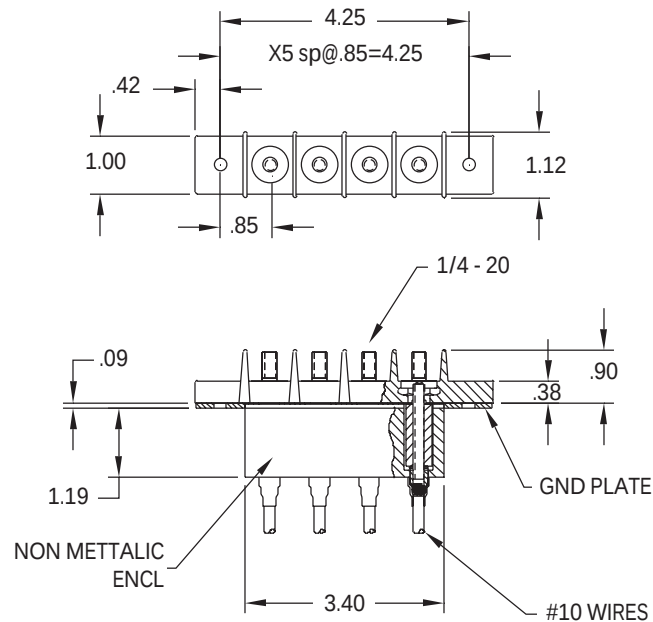


PART NUMBERING SYSTEM



FILTERED TERMINAL BLOCKS

CABLED FEED THRU TYPE 50 AMPS



FEATURES

- The above model 2393 filtered terminal block demonstrates just one of a virtually infinite number of variations that may be manufactured to your requirements.
- These specially molded filtered terminal blocks can be provided in various lengths. Currents and capacitances to fit your requirements. Wires may be color coded or marked with lengths as required
- Call factory to discuss your requirements.

MTK offers an extraordinary range of products to fit our customers needs and specifications. These products are designed and manufactured to our customer specifications and very often are a collaborative effort between the customer and MTK.

In order to better acquaint you with our capabilities in system development and integration, we invite you to explore our expertise in building relationships thru close competent engineering response and partnering. We are convinced that optimum results will be accomplished by uniting engineering and manufacturing in the spirit of TQM specific filter networks and performance, combined in an infinite number of sizes and shapes that can be offered. The following are an example of a few companies who chose MTK for their special requirements:

- Harris Corp.
- Raytheon
- Boeing Co.
- Lucent Technologies
- ATT
- ITT Areonics
- Lockheed/Martin
- Nortel Networks
- Verizon
- Northrop/Grumman

MTK not only provides a full range of industry standard products but specializes in the engineering of filter assemblies which result in lower costs.



MTK ELECTRONICS, INC.

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MEDFORD, NY 11763

TEL. 631-924-7666

FAX. 631-924-7179

