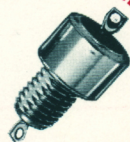
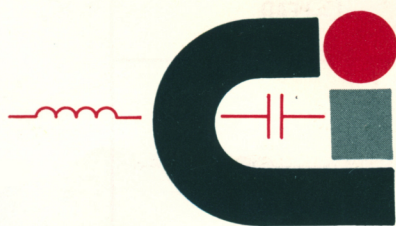


MF3

CAPCON® EMI MINIATURES



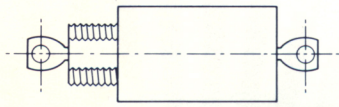
LossyLine Filters



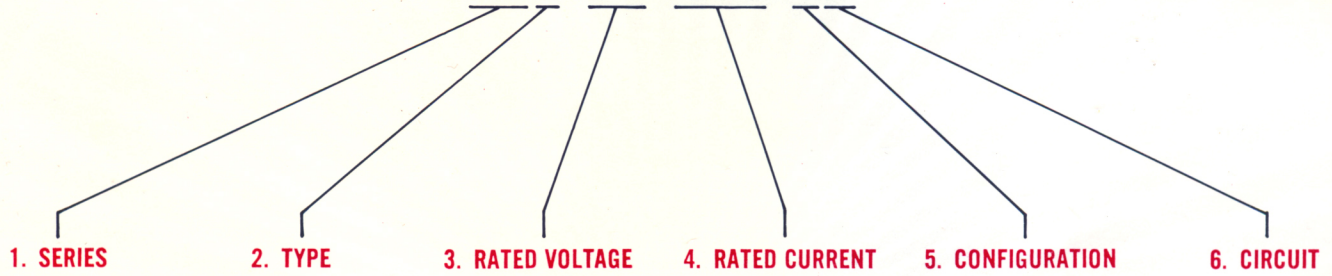
CAPCON® INTERNATIONAL, INC.

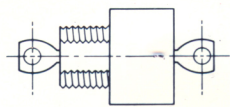
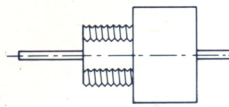

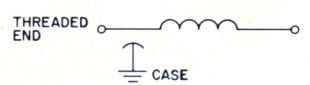
120 Craft Avenue
Inwood, NY 11096-1708
Tel: (516) 371-5600
Fax: (516) 239-5481

PART NUMBERING SYSTEM

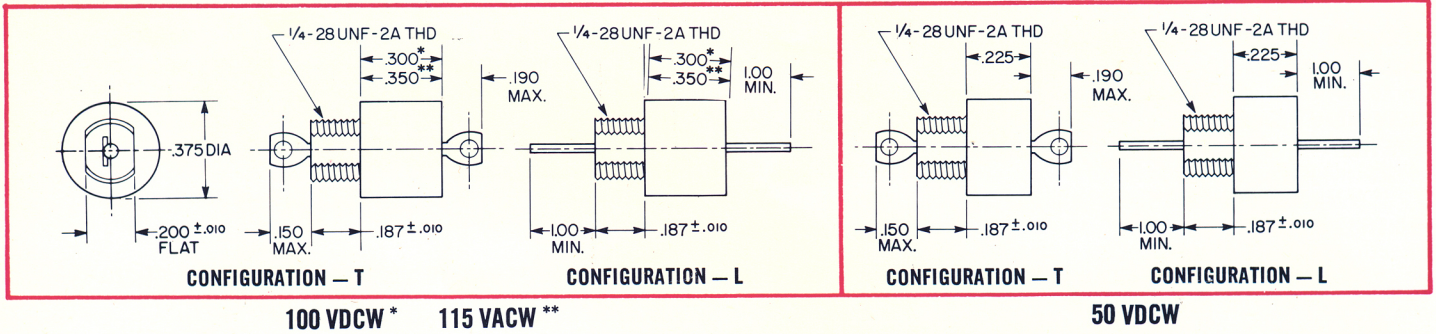


LML-50-006-TA

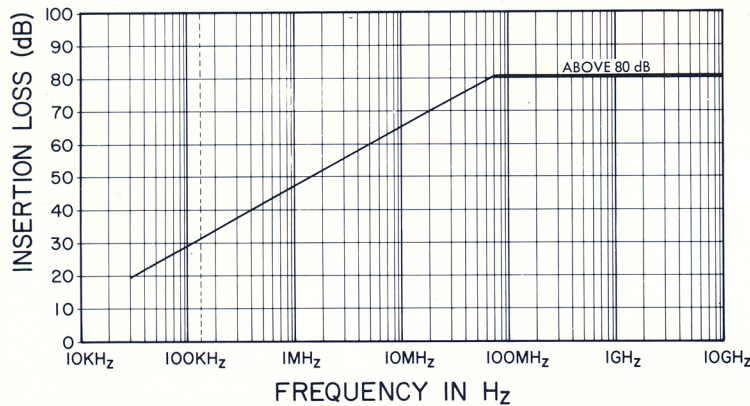


1. SERIES	LM = MINIATURES
2. TYPE	L=L Circuit P=Pi Circuit T=T Circuit B=Button O=Bolt
3. RATED VOLTAGE	50 = 50 VDCW 100 = 100 VDCW 115 = 115 VACW
4. RATED CURRENT	006 = .060 010 = .100 025 = .250 045 = .450 100 = 1.0 200 = 2.0 300 = 3.0 500 = 5.0 103 = 10.0
5. CONFIGURATION (Also available in other configurations)	  <p>T-TERMINAL L-LEAD</p>
6. CIRCUIT (L Type only)	  <p>A - CIRCUIT B - CIRCUIT</p>

To complete P/N customer must specify items 5 and 6.

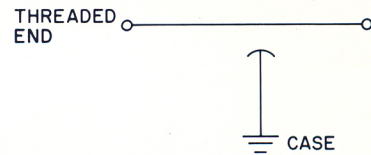


ATTENUATION CURVES



NOTES

Case: Steel, Tinned
Where required: a. Case may be brass.
b. Plating may be silver, gold or cadmium.



SPECIFICATIONS

OPERATING TEMPERATURE: -55°C to +125°C.
INSULATION RESISTANCE:
100 MEGOHMS MINIMUM @ 25°C and 100 VDC AFTER 2 MINUTES.
HERMETICALLY SEALED
LIFE TEST:
250 HOURS @ 1.5 TIMES WORKING VOLTAGE
IR AFTER TEST: GREATER THAN 50 MEGOHMS
MOISTURE RESISTANCE:
PER METHOD 106 OF MIL-STD-202.
AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.
TEMPERATURE CYCLING AND IMMERSION:
PER METHOD 102, CONDITION D AND METHOD 104, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.
VIBRATION:
PER METHOD 204, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.
MARKING:
P/N, WORKING VOLTAGE, CURRENT AND DATE CODE
MILITARY SPECIFICATIONS:
LOW-PASS FILTERS MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF MIL-F-15733.
ATTENUATION:
MEASUREMENTS MADE IN A 50 OHM SYSTEM PER MIL-STD-220.

50 VDCW

WORKING VOLTAGE:
50 VDC @ 85°C, OR EQUIVALENT AC PEAK
35 VDC @ 105°C, OR EQUIVALENT AC PEAK
28 VDC @ 125°C, OR EQUIVALENT AC PEAK
DIELECTRIC WITHSTANDING TEST
100 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

100 VDCW

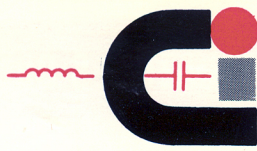
WORKING VOLTAGE:
100 VDC @ 85°C, OR EQUIVALENT AC PEAK
70 VDC @ 105°C, OR EQUIVALENT AC PEAK
56 VDC @ 125°C, OR EQUIVALENT AC PEAK
DIELECTRIC WITHSTANDING TEST
200 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

115 VACW

WORKING VOLTAGE:
115 VAC, 400 Hz at +85°C
115 VAC, 60 Hz at +125°C
185 VDC at +85°C
150 VDC at +125°C
DIELECTRIC WITHSTANDING TEST
370 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz	
50 VDCW LMB-50-153-	TO 15 AMPS	20	32	36	46	64	80	80	80	0.005
100 VDCW LMB-100-153-	TO 15 AMPS	18	28	36	46	64	80	80	80	.009
115 VACW LMB-115-153-	TO 15 AMPS	18	28	36	46	64	80	80	80	.008



OPERATING TEMPERATURE: -55°C to +125°C.

INSULATION RESISTANCE:
100 MEGOHMS MINIMUM @ 25°C and 100 VDC AFTER 2 MINUTES.

HERMETICALLY SEALED

LIFE TEST:
250 HOURS @ 1.5 TIMES WORKING VOLTAGE
IR AFTER TEST: GREATER THAN 50 MEGOHMS

MOISTURE RESISTANCE:
PER METHOD 106 OF MIL-STD-202.
AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

TEMPERATURE CYCLING AND IMMERSION:
PER METHOD 102, CONDITION D AND METHOD 104, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

VIBRATION:

PER METHOD 204, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

MARKING:

P/N, WORKING VOLTAGE, CURRENT AND DATE CODE

MILITARY SPECIFICATIONS:

LOW-PASS FILTERS MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF MIL-F-15733.

ATTENUATION:

MEASUREMENTS MADE IN A 50 OHM SYSTEM PER MIL-STD-220.

50 VDCW

STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LML-50-006-	.060	45	70	80	80	80	80	80	80	70	A
LML-50-010-	.100	35	55	70	80	80	80	80	80	15	B
LML-50-025-	.250	26	47	60	80	80	80	80	80	4	C
LML-50-045-	.450	20	42	53	72	80	80	80	80	1.2	D
LML-50-100-	1.000	16	36	48	66	80	80	80	80	0.9	E
LML-50-200-	2.000	13	34	46	64	80	80	80	80	0.75	F
LML-50-300-	3.000	10	32	44	62	80	80	80	80	0.3	G
LML-50-500-	5.000	10	32	44	62	80	80	80	80	0.1	G
LML-50-103-	10.000	10	32	44	62	80	80	80	80	0.01	G

100 VDCW

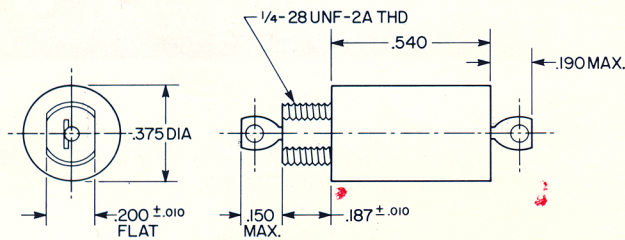
STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LML-100-006-	.060	45	68	80	80	80	80	80	80	76	A
LML-100-010-	.100	34	54	70	80	80	80	80	80	20	B
LML-100-025-	.250	24	47	60	80	80	80	80	80	6	C
LML-100-045-	.450	18	41	53	74	80	80	80	80	2.4	D
LML-100-100-	1.000	15	35	50	70	80	80	80	80	1.8	E
LML-100-200-	2.000	12	34	47	67	80	80	80	80	1.4	F
LML-100-300-	3.000	10	32	44	63	80	80	80	80	0.8	G
LML-100-500-	5.000	8	30	42	62	80	80	80	80	0.3	H
LML-100-103-	10.000	7	29	41	60	80	80	80	80	0.016	J

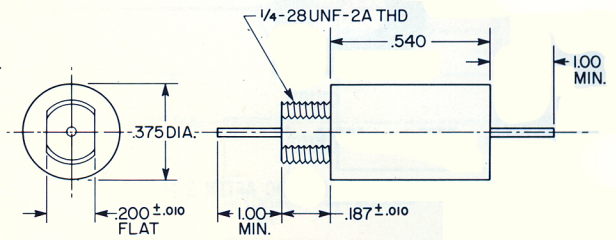
115 VACW

STANDARD RATINGS

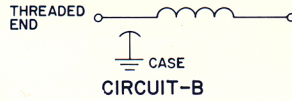
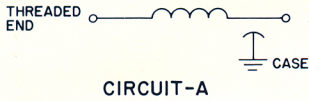
PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LML-115-006-	.060	30	53	68	80	80	80	80	80	70	A
LML-115-010-	.100	24	47	61	80	80	80	80	80	18	B
LML-115-025-	.250	10	34	48	70	80	80	80	80	9	C
LML-115-045-	.450	6	29	42	62	80	80	80	80	4.8	D
LML-115-100-	1.000	0	23	36	56	80	80	80	80	3.6	E
LML-115-200-	2.000	0	20	32	52	80	80	80	80	2.8	F
LML-115-300-	3.000	0	14	26	46	80	80	80	80	1.6	G
LML-115-500-	5.000	0	10	22	42	80	80	80	80	0.6	H
LML-115-103-	10.000	0	4	17	37	73	80	80	80	0.03	J



CONFIGURATION - T



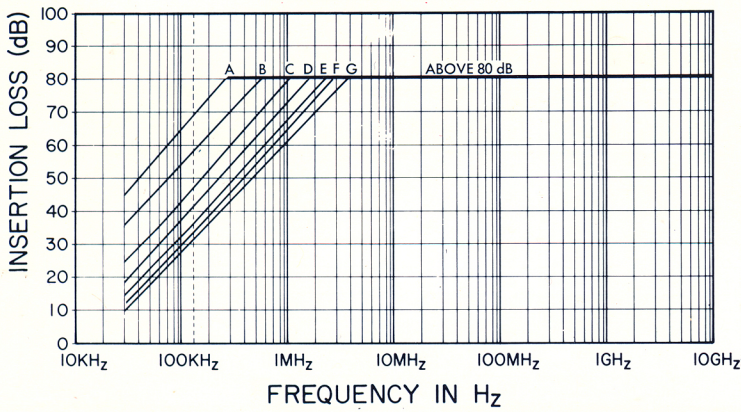
CONFIGURATION - L



NOTES

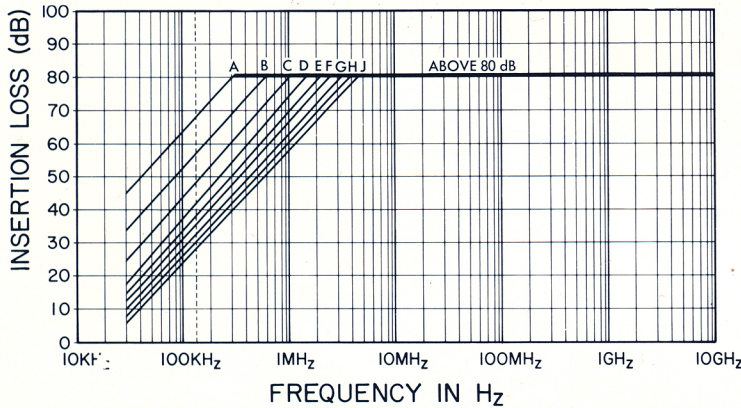
Case: Steel, Tinned
Where required: a. Case may be brass.
b. Plating may be silver, gold or cadmium.

ATTENUATION CURVES



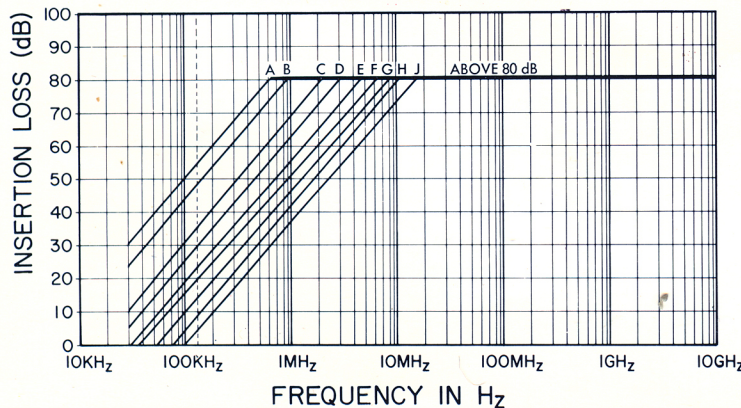
WORKING VOLTAGE:
50 VDC @ 85°C, OR EQUIVALENT AC PEAK
35 VDC @ 105°C, OR EQUIVALENT AC PEAK
28 VDC @ 125°C, OR EQUIVALENT AC PEAK
DIELECTRIC WITHSTANDING TEST
100 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

ATTENUATION CURVES

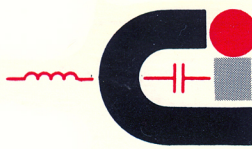


WORKING VOLTAGE:
100 VDC @ 85°C, OR EQUIVALENT AC PEAK
70 VDC @ 105°C, OR EQUIVALENT AC PEAK
56 VDC @ 125°C, OR EQUIVALENT AC PEAK
DIELECTRIC WITHSTANDING TEST
200 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

ATTENUATION CURVES



WORKING VOLTAGE:
115 VAC, 400 Hz at +85°C
115 VAC, 60 Hz at +125°C
185 VDC at +85°C
150 VDC at +125°C
DIELECTRIC WITHSTANDING TEST
370 VDC @ 25°C, 50ma MAX. CHARGING CURRENT



SPECIFICATIONS

OPERATING TEMPERATURE: -55°C to +125°C.

INSULATION RESISTANCE:
100 MEGOHMS MINIMUM @ 25°C and 100 VDC AFTER 2 MINUTES.

HERMETICALLY SEALED

LIFE TEST:
250 HOURS @ 1.5 TIMES WORKING VOLTAGE
IR AFTER TEST: GREATER THAN 50 MEGOHMS

MOISTURE RESISTANCE:
PER METHOD 106 OF MIL-STD-202.
AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

TEMPERATURE CYCLING AND IMMERSION:
PER METHOD 102, CONDITION D AND METHOD 104, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

VIBRATION:
PER METHOD 204, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

MARKING:
P/N, WORKING VOLTAGE, CURRENT AND DATE CODE

MILITARY SPECIFICATIONS:
LOW-PASS FILTERS MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF MIL-F-15733.

ATTENUATION:
MEASUREMENTS MADE IN A 50 OHM SYSTEM PER MIL-STD-220.

50 VDCW

STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LMP-50-006-	.060	48	80	80	80	80	80	80	80	30.0	A
LMP-50-010-	.100	42	80	80	80	80	80	80	80	5.0	B
LMP-50-025-	.250	32	66	80	80	80	80	80	80	2.0	C
LMP-50-045-	.450	24	56	75	80	80	80	80	80	0.9	D
LMP-50-100-	1.000	18	50	66	80	80	80	80	80	0.5	E
LMP-50-200-	2.000	16	46	63	80	80	80	80	80	0.35	F
LMP-50-300-	3.000	12	43	60	80	80	80	80	80	0.20	G
LMP-50-500-	5.000	12	43	60	80	80	80	80	80	0.05	G
LMP-50-103-	10.000	12	43	60	80	80	80	80	80	0.008	G

100 VDCW

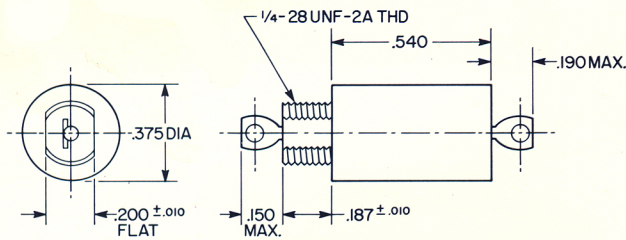
STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LMP-100-006-	.060	35	70	80	80	80	80	80	80	35	A
LMP-100-010-	.100	32	66	80	80	80	80	80	80	7	B
LMP-100-025-	.250	26	60	80	80	80	80	80	80	3	C
LMP-100-045-	.450	20	54	70	80	80	80	80	80	1.4	D
LMP-100-100-	1.000	10	42	60	80	80	80	80	80	0.9	E
LMP-100-200-	2.000	6	37	54	80	80	80	80	80	0.7	F
LMP-100-300-	3.000	2	33	50	77	80	80	80	80	0.35	G
LMP-100-500-	5.000	0	29	45	70	80	80	80	80	0.13	H
LMP-100-103-	10.000	0	22	39	64	80	80	80	80	0.008	J

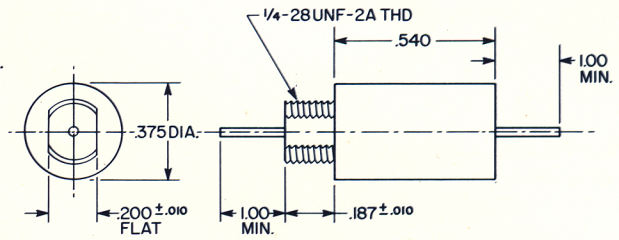
115 VACW

STANDARD RATINGS

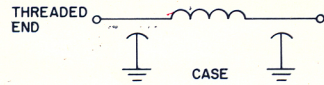
PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LMP-115-006-	.060	32	64	80	80	80	80	80	80	35	A
LMP-115-010-	.100	26	56	72	80	80	80	80	80	8	B
LMP-115-025-	.250	12	43	60	80	80	80	80	80	4	C
LMP-115-045-	.450	8	37	55	80	80	80	80	80	1.9	D
LMP-115-100-	1.000	4	33	50	76	80	80	80	80	1.2	E
LMP-115-200-	2.000	0	29	46	70	80	80	80	80	0.9	F
LMP-115-300-	3.000	0	23	39	64	80	80	80	80	0.5	G
LMP-115-500-	5.000	0	19	34	60	80	80	80	80	0.2	H
LMP-115-103-	10.000	0	12	27	52	80	80	80	80	0.02	J



CONFIGURATION - T



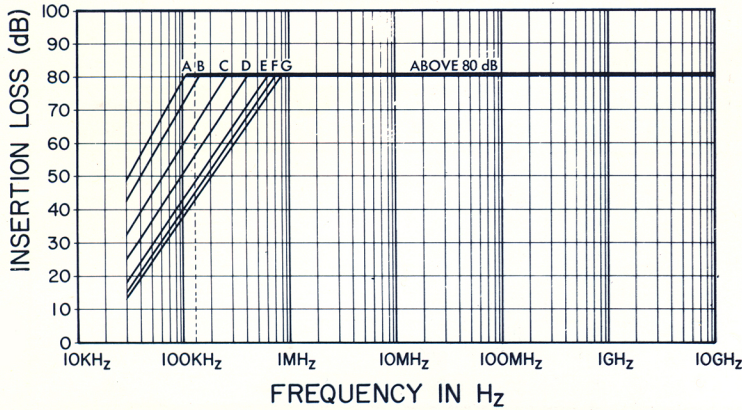
CONFIGURATION - L



NOTES

Case: Steel, Tinned
Where required: a. Case may be brass.
b. Plating may be silver, gold or cadmium.

ATTENUATION CURVES



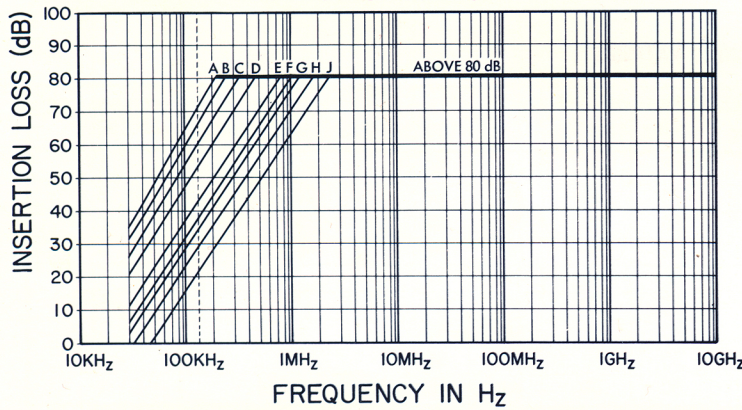
WORKING VOLTAGE:

50 VDC @ 85°C, OR EQUIVALENT AC PEAK
35 VDC @ 105°C, OR EQUIVALENT AC PEAK
28 VDC @ 125°C, OR EQUIVALENT AC PEAK

DIELECTRIC WITHSTANDING TEST

100 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

ATTENUATION CURVES



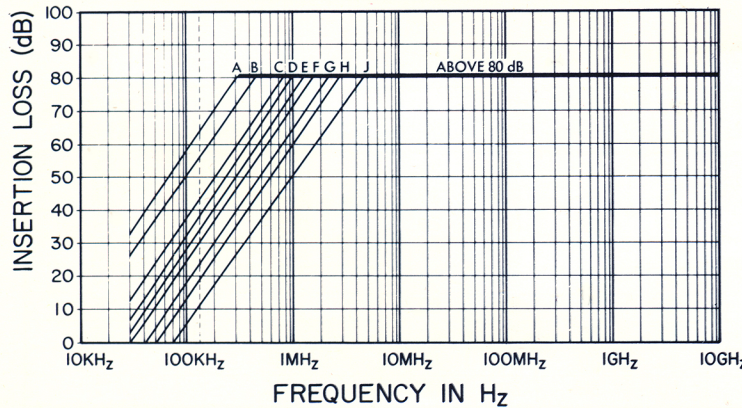
WORKING VOLTAGE:

100 VDC @ 85°C, OR EQUIVALENT AC PEAK
70 VDC @ 105°C, OR EQUIVALENT AC PEAK
56 VDC @ 125°C, OR EQUIVALENT AC PEAK

DIELECTRIC WITHSTANDING TEST

200 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

ATTENUATION CURVES



WORKING VOLTAGE:

115 VAC, 400 Hz at +85°C
115 VAC, 60 Hz at +125°C
185 VDC at +85°C
150 VDC at +125°C

DIELECTRIC WITHSTANDING TEST

370 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

SPECIFICATIONS
OPERATING TEMPERATURE: -55°C to +125°C.

INSULATION RESISTANCE:

100 MEGOHMS MINIMUM @ 25°C and 100 VDC AFTER 2 MINUTES.

HERMETICALLY SEALED
LIFE TEST:

250 HOURS @ 1.5 TIMES WORKING VOLTAGE

IR AFTER TEST: GREATER THAN 50 MEGOHMS

MOISTURE RESISTANCE:

PER METHOD 106 OF MIL-STD-202.

AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

TEMPERATURE CYCLING AND IMMERSION:

PER METHOD 102, CONDITION D AND METHOD 104, CONDITION B OF MIL-

STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

VIBRATION:

PER METHOD 204, CONDITION B OF MIL-STD-202. AFTER TEST FILTERS SHALL MEET ALL INITIAL REQUIREMENTS.

MARKING:

P/N, WORKING VOLTAGE, CURRENT AND DATE CODE

MILITARY SPECIFICATIONS:

LOW-PASS FILTERS MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF MIL-F-15733.

ATTENUATION:

MEASUREMENTS MADE IN A 50 OHM SYSTEM PER MIL-STD-220.

50 VDCW

STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LMT-50-006-	.060	48	80	80	80	80	80	80	80	30.0	A
LMT-50-010-	.100	42	80	80	80	80	80	80	80	5.0	B
LMT-50-025-	.250	32	66	80	80	80	80	80	80	2.0	C
LMT-50-045-	.450	24	56	75	80	80	80	80	80	0.9	D
LMT-50-100-	1.000	18	50	66	80	80	80	80	80	0.5	E
LMT-50-200-	2.000	16	46	63	80	80	80	80	80	0.35	F
LMT-50-300-	3.000	12	43	60	80	80	80	80	80	0.20	G
LMT-50-500-	5.000	12	43	60	80	80	80	80	80	0.05	G
LMT-50-103-	10.000	12	43	60	80	80	80	80	80	0.008	G

100 VDCW

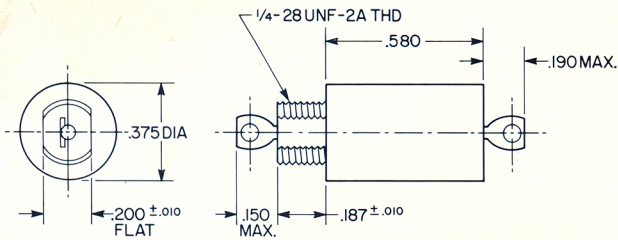
STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LMT-100-006-	.060	48	80	80	80	80	80	80	80	65	A
LMT-100-010-	.100	42	80	80	80	80	80	80	80	20	B
LMT-100-025-	.250	30	64	80	80	80	80	80	80	5	C
LMT-100-045-	.450	16	45	64	80	80	80	80	80	1.8	D
LMT-100-100-	1.000	13	42	58	80	80	80	80	80	1.4	E
LMT-100-200-	2.000	11	40	56	80	80	80	80	80	1.2	F
LMT-100-300-	3.000	8	34	50	74	80	80	80	80	0.7	G
LMT-100-500-	5.000	4	30	44	66	80	80	80	80	0.2	H
LMT-100-103-	10.000	0	24	38	60	80	80	80	80	0.014	J

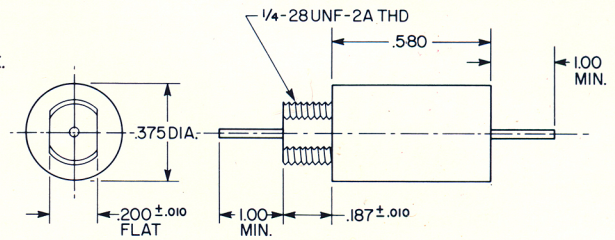
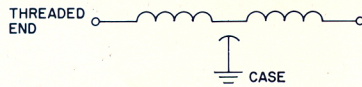
115 VACW

STANDARD RATINGS

PART NO.	CURRENT RATING (AMPS)	MINIMUM INSERTION LOSS IN dB (MIL-STD-220)								MAX. D.C. RESISTANCE (OHMS)	ATTENUATION CURVE
		30KHz	150KHz	300KHz	1MHz	10MHz	100MHz	1GHz	10GHz		
LMT-115-006-	.060	34	70	80	80	80	80	80	80	70	A
LMT-115-010-	.100	29	65	80	80	80	80	80	80	30	B
LMT-115-025-	.250	16	52	70	80	80	80	80	80	12	C
LMT-115-045-	.450	8	41	60	80	80	80	80	80	5.2	D
LMT-115-100-	1.000	4	36	55	80	80	80	80	80	3.8	E
LMT-115-200-	2.000	0	32	49	76	80	80	80	80	2.8	F
LMT-115-300-	3.000	0	22	40	67	80	80	80	80	1.7	G
LMT-115-500-	5.000	0	16	32	60	80	80	80	80	0.8	H
LMT-115-103-	10.000	0	10	26	54	80	80	80	80	0.05	J



CONFIGURATION - T

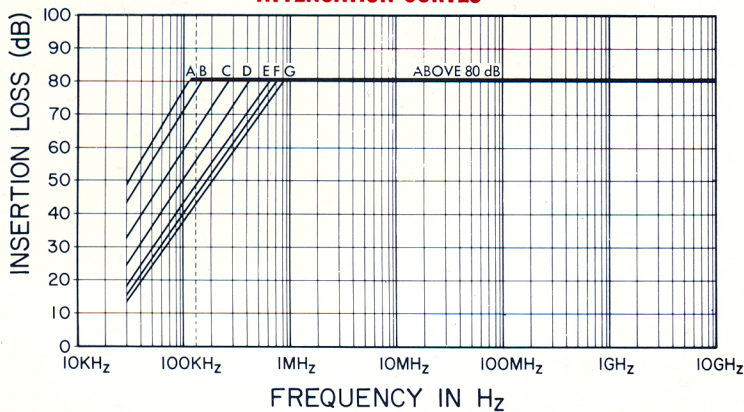


CONFIGURATION - L

NOTES

Case: Steel, Tinned
Where required: a. Case may be brass.
b. Plating may be silver, gold or cadmium.

ATTENUATION CURVES



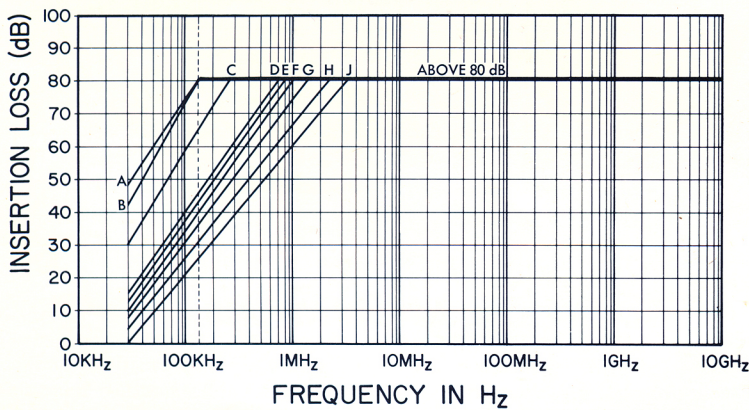
WORKING VOLTAGE:

50 VDC @ 85°C, OR EQUIVALENT AC PEAK
35 VDC @ 105°C, OR EQUIVALENT AC PEAK
28 VDC @ 125°C, OR EQUIVALENT AC PEAK

DIELECTRIC WITHSTANDING TEST

100 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

ATTENUATION CURVES



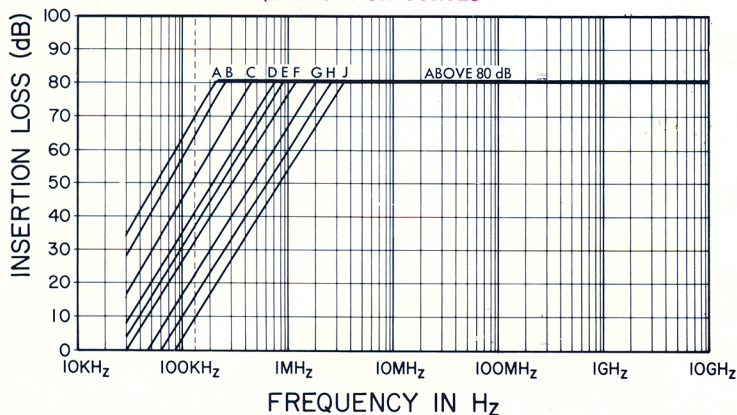
WORKING VOLTAGE:

100 VDC @ 85°C, OR EQUIVALENT AC PEAK
70 VDC @ 105°C, OR EQUIVALENT AC PEAK
56 VDC @ 125°C, OR EQUIVALENT AC PEAK

DIELECTRIC WITHSTANDING TEST

200 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

ATTENUATION CURVES



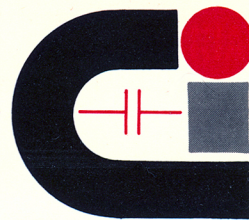
WORKING VOLTAGE:

115 VAC, 400 Hz at +85°C
115 VAC, 60 Hz at +125°C
185 VDC at +85°C
150 VDC at +125°C

DIELECTRIC WITHSTANDING TEST

370 VDC @ 25°C, 50ma MAX. CHARGING CURRENT

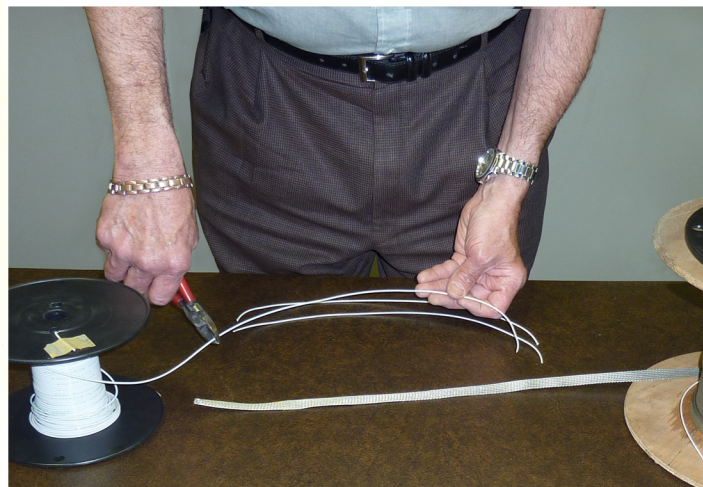
'LOSSYLINE' FLEXIBLE FILTER



CAPCON® INTERNATIONAL, INC.

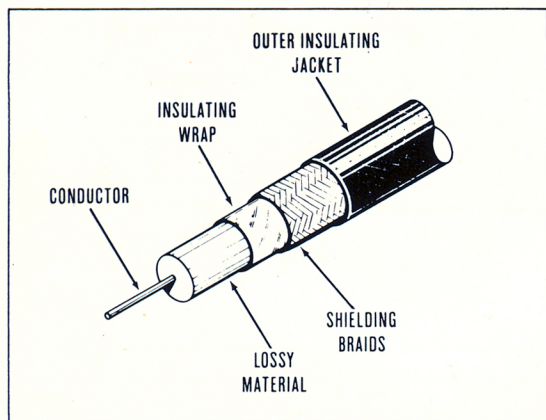
The "LossyLine" Flexible Filter is a new and unique filter for microwave EMI suppression up to 100GHz. It is wire-like in form and unlike other filters, absorbs and dissipates EMI, thus eliminating characteristic problems of conventional types of EMI filters, such as, mismatch, reflection, necessity for grounding and high VSWR.

Two to five inch lengths of the "LossyLine" Flexible Filter usually provide the required attenuation. When compared with conventional filtering methods, the "LossyLine" Flexible Filter is substantially lower in cost. No special fittings, connectors or housings are necessary. The Flexible Filter can also be installed in series or employed in conjunction with existing harnesses or cables.



FEATURES

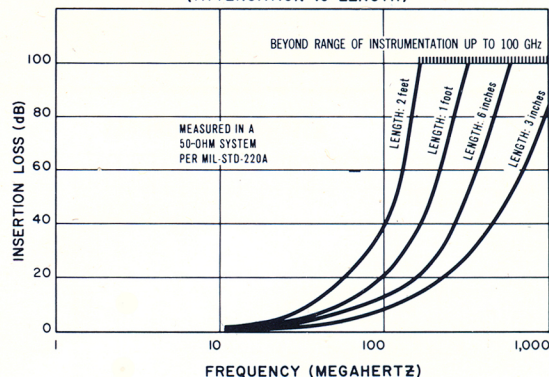
- EMI suppression of over 100dB from 10MHz to over 45GHz.
- Attenuation provided by absorption and dissipation of undesired radio frequency energy.
- Negligible inductance and capacitance does not affect circuit constants, eliminating mismatch and reflection problems.
- Flexible, low cost, light weight, small diameter and sharp bend radius.
- No special, bulky, weighty or costly connectors, fittings or terminations required.
- Length can be trimmed to exact attenuation or EMI suppression requirements.



TYPICAL ATTENUATION CURVE

P/N S001-6K-15S

(ATTENUATION vs LENGTH)



TYPICAL APPLICATIONS

- Suppression of EMI generated by TWT's, magnetrons, klystrons, microwave heating tubes and other microwave producing devices.
- EMI suppression occurring in electronic-communications equipment of all types, and by microwave heating equipment.
- Harmonic suppression in microwave systems such as radar, telecommunications, radio relay systems and transmitters.
- Line and in-circuit EMI suppression in power supplies, test equipment, instrumentation, amplifiers and subsystems.
- Radio noise suppression due to resonances, mutual coupling, undesired oscillations and spurious radio frequency energy.

SPECIFICATIONS

"LossyLine" Flexible Filters are available in the following nominal ratings:

CURRENT CAPACITY AC/DC: 1, 5, 10, 25 and 50 Amperes (Surge currents several times above value).

VOLTAGES AC/DC: 500, 1000, 6000, 12K, 25K, 50K and 100K Volts (Test voltages are twice the rated DC voltage).

SHIELDING: Available shielded or unshielded.

OPERATING TEMPERATURE RANGES: From minus 67°C to plus 100°C, 150°C, 200°C and 250°C.

NOMINAL OUTSIDE DIAMETER: From .135 to .285 inches

MINIMUM BEND RADIUS: From .50 to 1.0 inches

WEIGHT PER FOOT: From 1/3 to 1 ounce.

Guards Against CONDUCTED and RADIATED Interference

- Suppress High Frequency EMI, Harmonics, Transients and Oscillations
- Shield Against Broadband EMI Radiation, Stray Magnetic Fluxes and Coupling



The new EMI Suppressant Tubing provides a simple, low cost Efficient means for suppressing unwanted EMI. This unique product can be slipped over standard wires and cables (insulated or uninsulated) and suppresses both conducted and radiated interference. Completely flexible and lightweight, it can be used in temperature environments from -55° to $+250^{\circ}\text{C}$ without any electrical or mechanical degradation.

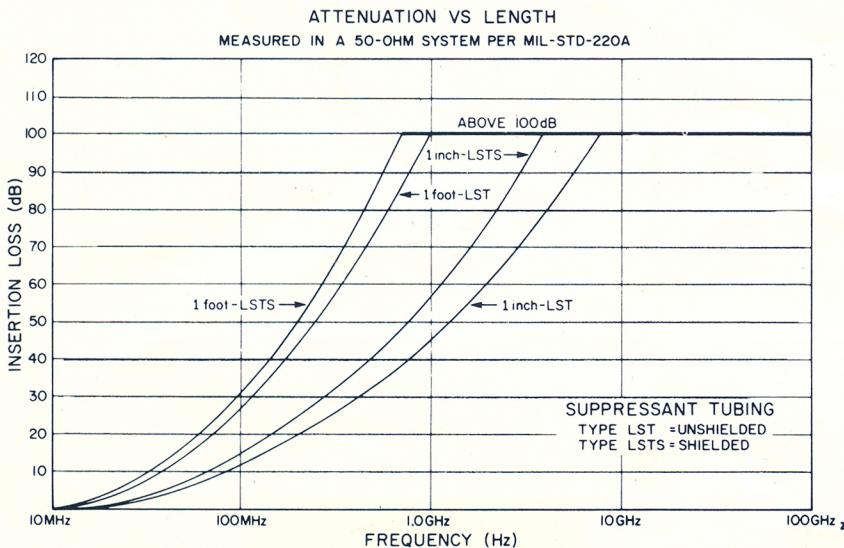
Suppressant Tubing will provide shielding from low frequency electrostatic interference, magnetic fields and will not cause DC or low frequency AC losses. It is capable of Handling RF power exceeding 10 watts CW per inch and is available either shielded or unshielded.

SIZES AVAILABLE

Part No.	Inside Diameter (Inches)	Outside Diameter (Inches)	Tolerance on I.D. & O.D. (Inches)
LST-040	.040	.130	$\pm .006$
LST-050	.050	.140	$\pm .007$
LST-060	.060	.150	$\pm .008$
LST-080	.080	.170	$\pm .010$
LST-100	.100	.200	$\pm .011$
LST-125	.125	.225	$\pm .011$
LST-150	.150	.250	$\pm .011$
LST-175	.175	.300	$\pm .011$
LST-200	.200	.325	$\pm .011$
LST-225	.225	.350	$\pm .011$
LST-250	.250	.375	$\pm .011$
LST-275	.275	.400	$\pm .011$
LST-300	.300	.450	$\pm .012$
LST-325	.325	.475	$\pm .012$
LST-350	.350	.500	$\pm .012$
LST-375	.375	.525	$\pm .012$
LST-400	.400	.550	$\pm .013$
LST-425	.425	.575	$\pm .013$
LST-450	.450	.600	$\pm .013$
LST-475	.475	.650	$\pm .013$
LST-500	.500	.700	$\pm .013$
LST-625	.625	.800	$\pm .015$
LST-750	.750	1.000	$\pm .015$
LST-1000	1.000	1.250	$\pm .015$
LST-1125	1.125	1.375	$\pm .015$
LST-1250	1.250	1.500	$\pm .015$

- *Note: 1. Shipped any length desired.
 2. Specify **LST** for unshielded tubing.
 3. Specify **LSTS** for shielded tubing.
 4. Other sizes quoted upon request.

ATTENUATION CURVES



MICROWAVE ABSORBERS

Also available in sheet form in thicknesses of $1/32''$, $1/16''$, $3/32''$, $1/8''$, $3/16''$ and $1/4''$.

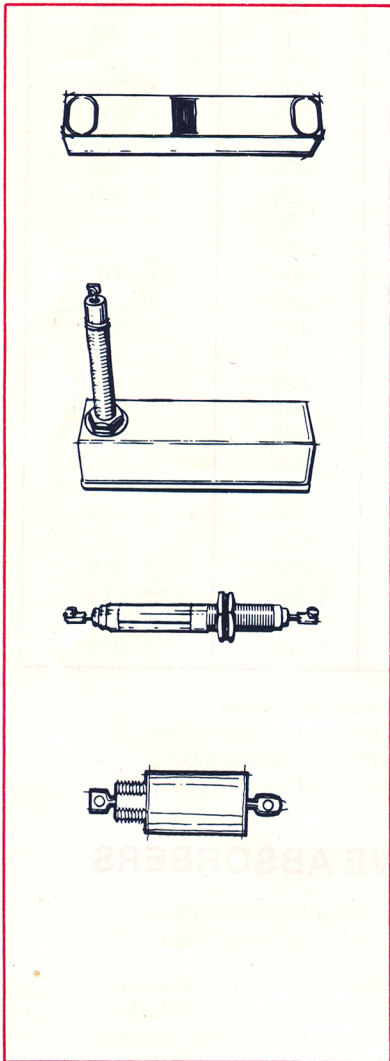
The sheets can be used to line walls of enclosures and for free space use. Also for wave guides and antenna elements, for covering or wrapping radiating elements, for modifying surface currents, as terminations, reflectors and other microwave applications.

The sheets have high loss especially in the Gigahertz range, and are highly dissipative.

They can be cut with scissors so they may be fitted to odd shapes.

Specify **CAPCON®**
LossyLine Filters

**OTHER CAPCON®
 Filters**



SCREEN ROOM FILTERS

Designed for use in high quality shielded screen rooms and shielded enclosures.
 Hermetically sealed, corrosion resistant and manufactured for long life trouble-free operation.
 Operating Currents: 25, 50, 100, 150 and 200 amperes
 Operating Frequencies: DC, 60, 400 and 1000 Hz
 Operating Voltages: 125, 250 and 500 VACW
 Filters with Attenuation of 100 dB from 14KHz to 45 GHz available.
 Easy installation . . . filters not oil filled . . .
 Minimum voltage drop . . . Negligible reactive current
No ringing effect

**SIGNAL AND TELEPHONE CIRCUIT
 RFI/EMC FILTERS**

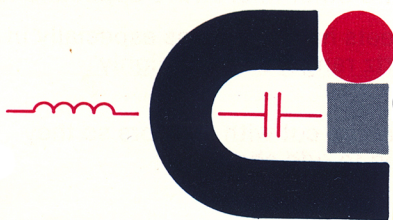
0.1 to 2 amperes to 500 VDCW
 Attenuation: From 1 KHz to 1000 MHz of 100 dB
 For 50, 300 and 600 ohm circuit applications
 For: Telephone
 Teletype
 Digital and audio transmission lines
 High speed data circuits
 Can be custom engineered to specific requirements

RFI SUPPRESSION FILTERS

Single or multiple sections
 Leakproof
 Attenuation of 100 dB from 14 KHz to 45 GHz
 Minimum reactive current
 To prevent conducted and radiated RF interference
 Hermetically sealed. Corrosion resistant
 From 0.1 to 100 amperes
 From 500 VDCW

MINIATURE FILTERS

Complete line of RFI miniature filters
 Pi, T, L Networks and Button types available in standard current and voltage ratings.



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