080/080M General Purpose and Medical Power Entry Filters

RoHS

080 Series

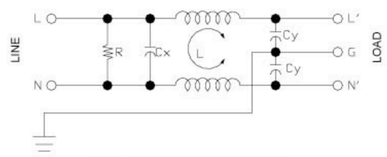
General Purpose Power Entry Filters

Features

General purpose, compact, easy to use power entry filters, fast on tabs or solder terminals for easy installation and use.

Typical Applications

Computers, communication equipment, LCD TVS, electrical toys.



080 - Electrical Schematic

080M Series

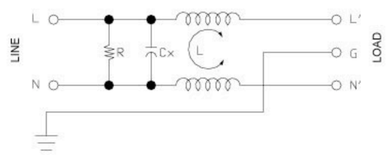
Low-Leakage Current Medical Power Entry Filters

Features

Very low-leakage current, compact, easy to use power entry filters with fast on tabs or solder terminals.

Typical Applications

Medical equipment and other typical medical applications.



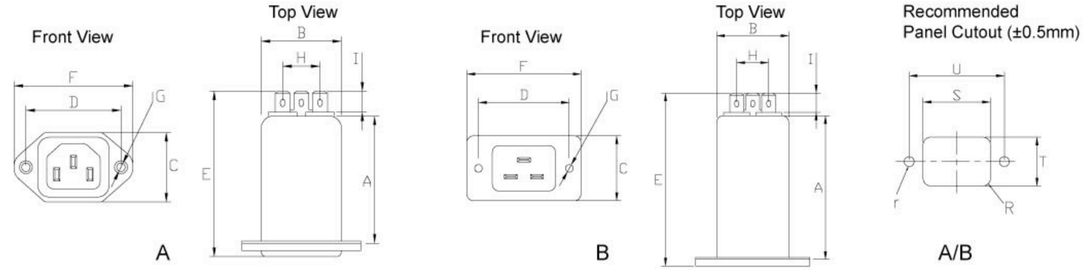
080M - Electrical Schematic

Technical Data

Rated Voltage	250 VAC Max.	Leakage Current 080 Series	
Rated Current	1-20 A @ 40ºC	@ 250 VAC 50 Hz	0.42 mA Max.
Operating Frequency	50/60 Hz	@ 115 VAC 60 Hz	0.23 mA Max.
Hipot Rating		Leakage Current 080M Series	
Line to Line	1450 VDC	@ 250 VAC 50 Hz	10 µA Max.
Line to Ground	2250 VDC	@ 115 VAC 60 Hz	5 µA Max.
Case	CRS Ni plated	IP Standard	52-54
Packaging Quantity	224 pcs per carton	Climatic category	25/85/21

080 Model No.	080M Model No.	Rated Current @ 40ºC	Mechanical Diagram	Unit Weight (g)	Terminal Options	
					In	Out
080.00101.00	080M.00101.00	1.0	A	44.0	IEC Inlet Socket	Faston 6.35*0.8
080.00301.00	080M.00301.00	3.0	A	45.0	IEC Inlet Socket	Faston 6.35*0.8
080.00601.00	080M.00601.00	6.0	A	45.0	IEC Inlet Socket	Faston 6.35*0.8
080.00801.00	080M.00801.00	8.0	A	45.0	IEC Inlet Socket	Faston 6.35*0.8
080.01001.00	080M.01001.00	10.0	A	46.0	IEC Inlet Socket	Faston 6.35*0.8
080.01502.00	080M.01502.00	15.0	A	70.0	IEC Outlet Socket	Faston 6.35*0.8
080.02001.00	080M.02001.00	20.0	B	98.0	IEC Inlet Socket	Faston 6.35*0.8
080.02002.00	080M.02002.00	20.0	B	120.0	IEC Outlet Socket	Faston 6.35*0.8

080/080M Mechanical Outlines



080/080M Mechanical Dimensions (mm)

For reference only

Model No.	Model No.	A	B	C	D	E	F	G	H	I	R	S	T	U	r
080.00101.00	080M.00101.00	40.0	28.3	22.5	40.0	55.0	50.0	2*Φ4.0	12.9	8.5	3.0	29.0	21.0	40.0	2.1
080.00301.00	080M.00301.00	40.0	28.3	22.5	40.0	55.0	50.0	2*Φ4.0	12.9	8.5	3.0	29.0	21.0	40.0	2.1
080.00601.00	080M.00601.00	40.0	28.3	22.5	40.0	55.0	50.0	2*Φ4.0	12.9	8.5	3.0	29.0	21.0	40.0	2.1
080.00801.00	080M.00801.00	40.0	28.3	22.5	40.0	55.0	50.0	2*Φ4.0	12.9	8.5	3.0	29.0	21.0	40.0	2.1
080.01001.00	080M.01001.00	40.0	28.3	22.5	40.0	55.0	50.0	2*Φ4.0	12.9	8.5	3.0	29.0	21.0	40.0	2.1
080.01502.00	080M.01502.00	53.5	33.6	29.0	40.0	67.5	50.4	2*Φ4.0	15.0	8.8	3.0	35.0	26.5	40.0	2.1
080.02001.00	080M.02001.00	66.5	33.9	30.5	42.0	80.5	53.0	2*Φ4.0	15.0	8.8	3.0	35.0	26.5	42.0	2.1
080.02002.00	080M.02002.00	66.5	39.3	34.8	45.0	80.5	54.5	2*Φ4.0	15.0	8.8	3.0	41.0	32.0	45.0	2.1

All dimensions in mm, 1 inch=25.4 mm

Insertion Loss in dB Measured in a 50Ω System

Model No.	Common Mode IL (Frequencies in MHz)							
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0
080.00101.00	25.0	32.0	35.0	45.0	57.0	57.0	57.0	50.0
080.00301.00	21.0	27.0	31.0	40.0	52.0	52.0	52.0	50.0
080.00601.00	8.0	14.0	17.0	30.0	38.0	45.0	45.0	40.0
080.00801.00	5.0	10.0	13.0	25.0	35.0	40.0	40.0	35.0
080.01001.00	3.0	6.0	9.0	20.0	30.0	35.0	35.0	30.0
080.01502.00	2.0	4.0	9.0	13.0	23.0	28.0	30.0	40.0
080.02001.00	5.0	8.0	13.0	18.0	24.0	18.0	34.0	40.0
080.02002.00	5.0	8.0	10.0	10.0	12.0	12.0	12.0	12.0

Model No.	Common Mode IL (Frequencies in MHz)							
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0
080M.00101.00	25.0	32.0	35.0	45.0	52.0	50.0	50.0	45.0
080M.00301.00	21.0	27.0	31.0	40.0	48.0	50.0	50.0	45.0
080M.00601.00	8.0	14.0	17.0	27.0	34.0	43.0	43.0	38.0
080M.00801.00	5.0	10.0	13.0	24.0	29.0	37.0	37.0	31.0
080M.01001.00	3.0	6.0	9.0	19.0	25.0	30.0	30.0	25.0
080M.01502.00	2.0	4.0	9.0	10.0	12.0	12.0	12.0	12.0
080M.02001.00	5.0	8.0	10.0	10.0	12.0	12.0	12.0	12.0
080M.02002.00	5.0	8.0	10.0	10.0	12.0	12.0	12.0	12.0

Model No.	Differential Mode IL (Frequencies in MHz)							
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0
080 Series	2.0	5.0	8.0	17.0	23.0	35.0	35.0	30.0

Model No.	Differential Mode IL (Frequencies in MHz)							
	0.05	0.1	0.15	0.5	1.0	5.0	10.0	30.0
080M Series	2.0	5.0	8.0	17.0	23.0	35.0	35.0	30.0

- Line to ground capacitors are available up to 4,700 pF.
- Other specifications, requirements and customizations can be provided upon request.

LCR Electronics, Inc.
9 South Forest Ave, Norristown, PA 19401.
Tel: +1-610-278-0840 Call: 1-800-LCR4EMC E-mail: sales@lcr-inc.com

LCR ELECTRONICS, INC.®
ENGINEERED PRODUCT SOLUTIONS IN A CUSTOMER FOCUSED CULTURE
www.lcr-inc.com