

# Interpoint® High Reliability DC-DC Converters and EMI Filters



MCH



MSA



MHF+



MTR



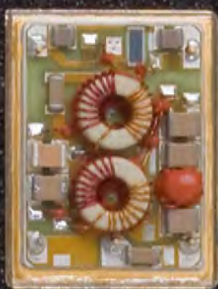
MTR-T



MFL



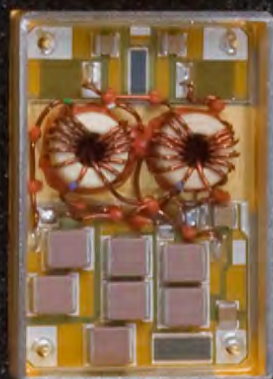
MOR



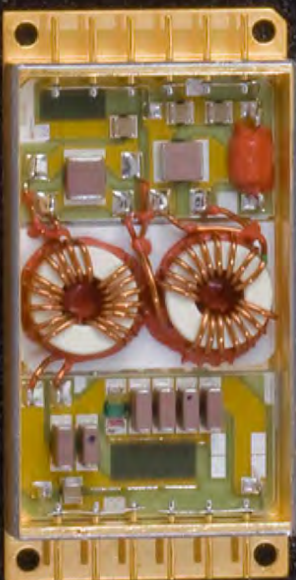
FMCE-0328



FMCE-0528



FMCE-0828



FMCE-1528



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Products shown on reverse are listed below. Visit [www.interpoint.com](http://www.interpoint.com) to see our complete line of products  
Product images are at full size, however variations may occur due to printing.

## DC-DC CONVERTERS

MODEL (SERIES)	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT POWER (W)	EFFICIENCY (% , TYPICAL)	OPERATING TEMPERATURE	AVAILABLE SCREENING	EMI FILTER <sup>1</sup>
<b>MFP POL Converter</b> <b>NEW! Down-Leaded</b> (not shown)	3 - 6	0.8 - 3.5	5.6 - 16.5	73 - 92	-55° to +125°C	Side-Leaded up to Class H-QML Down-Leaded Standard	NA
MOR	16 - 40	3.3, 5, 6.3, 9.5, 12, 15 ±3.3, ±5, ±6.3 ±9.5, ±12, ±15	66 - 120	77 - 87	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMCE-1528
MFL	16 - 40	3.3, 5, 12, 15, 28 ±5, ±12, ±15	50 - 65	76 - 86	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMCE-1528 FMCE-0828
<b>NEW!</b> <b>MTR 50</b>	16 - 50	3.3, 5, 8.5, 12, 15 ±5, ±12, ±15	20 - 30	76 - 84	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMCE-0828 FMCE-0528
MTR 40	16 - 40	3.3, 5, 12, 15, 18 ±5, ±12, ±15	20 - 30	76 - 84	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMCE-0528
		+5 & ±12, +5 & ±15		75			
MHF+	16 - 40	1.9, 3.3, 5, 5.2, 5.3, 12, 15, 28 ±5, ±12, ±15	6.65 - 15	62 - 84	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMCE-0328
	16 - 48	+5 & ±12 +5 & ±15		75			
MSA	16 - 40	5, 5.2, 12, 15 ±5, ±12, ±15	1.2 - 5	71 - 80	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMSA
MCH	12 - 50	5, 12, 15 ±5, ±12, ±15	1.5	76 - 79	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMSA

## EMI FILTERS <sup>1</sup>

MODEL	DROP-IN REPLACEMENT FOR	INPUT VOLTAGE (VDC)	CURRENT (MAX. A)	MINIMUM ATTENUATION (DB) @ 500 kHz	AVAILABLE SCREENING	COMPATIBLE CONVERTER
FMCE-1528 <sup>2</sup>	FME28-461	-0.5 to 50	15	60	Standard, ES, or 883, Class H-QML	MOR, MFL, MTR, MHV, MHF+, MSA, MGA, MCH, MGH
FMCE-0828 <sup>2</sup>	FMD28-461	-.05 to 50	8	50	Standard, ES, or 883, Class H-QML	MOR, MFL, MTR, MHV, MHF+, MSA, MGA, MCH, MGH,
FMCE-0528 <sup>2, 3</sup>	FMC-461	-.05 to 50	5	55	Standard, ES, or 883, Class H-QML	MOR, MFL, MTR, MHV, MHF+, MSA, MGA, MCH, MGH
FMCE-0328 <sup>2</sup>	FMH-461	-.05 to 50	3	50	Standard, ES, or 883, Class H-QML	MHV, MHF+, MSA, MGA, MCH, MGH

1. All filters may be used with multiple converters up to the rated current of the filter.
2. Meets MIL-STD-461C CE03 and CS01 and MIL-STD-461D, E and F CE102 and CS101 levels of conducted emissions.
3. Active transient suppression.

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