

Interpoint® High Reliability DC-DC Converters



MSA 5 W



MHF+ 15 W



MHV 15 W



MFK 25 W



MTR 30 W



MWR 35 W



MFL 60 W



MOR 120 W

Interpoint® High Reliability DC-DC Converters and EMI Filters

DC-DC CONVERTERS ¹

MODEL (SERIES)	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT POWER (W)	EFFICIENCY (% , TYPICAL)	OPERATING TEMPERATURE	AVAILABLE SCREENING	EMI FILTER ²
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
MF ²	16 - 50	3.3, 5	50	89 91	-55° to +125°C	Standard, ES or screened to 883	FMCE-0528
MWR	16 - 50	+3.3 & ±12, +3.3 & ±15 +5 & ±12, +5 & ±15	30 - 35	81 - 85	-55° to +125°C	Standard, ES or screened to 883 Class H	fmce-0528
MTR 50	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
MFK	16 - 50	1.8, 2.5, 3.3, 5, 5.7, 12, 15, 28 ±5, ±7, ±12, ±15	10 - 25	72 - 86	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMCE-0528
MHV	16 - 50	3.3, 5, 12, 15 ±5, ±12, ±15	10 - 15	72 - 83	-55°C to +125°C	Standard, ES, or 883, Class H-QML	FMCE-0528
		+5 & ±12, +5 & ±15	15	78			
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	15	75			
MFP POL Converter ²	3 - 6	0.8 - 3.5	5.6 - 16.5	73 - 92	-55° to +125°C	Side-Leaded up to Class H-QML Flanged, side-leaded	NA
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 ²	12 - 50	5, 12, 15 ±5, ±12, ±15	1.5	76 - 79	-55° to +125°C	Standard, ES, or 883, Class H-QML	FMSA

1. Product images on reverse are actual full size, however variations may occur due to printing.

2. Not shown on reverse.

EMI FILTERS ^{1, 2}

MODEL	DROP-IN REPLACEMENT FOR	INPUT VOLTAGE (VDC)	CURRENT (MAX. A)	MINIMUM ATTENUATION (DB) @ 500 kHz	AVAILABLE SCREENING	COMPATIBLE CONVERTER
FMCE-1528 ³	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 ³	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 ^{3, 4}	FMC-461	-.05 to 50	5	55	Standard, ES, or 883, Class H-QML	MOR, MFL, MF, MWR, MTR, MFK, MHV, MHF+, MSA, MGA, MCH, MGH
FMCE-0328 ³	FMH-461	-.05 to 50	3	50	Standard, ES, or 883, Class H-QML	MHV, MHF+, MSA, MGA, MCH, MGH

1. Not shown on reverse.

2. All filters may be used with multiple converters up to the rated current of the filter.

3. Meets MIL-STD-461C CE03 and CS01 and MIL-STD-461D, E and F CE102 and CS101 levels of conducted emissions.

4. Active transient suppression.