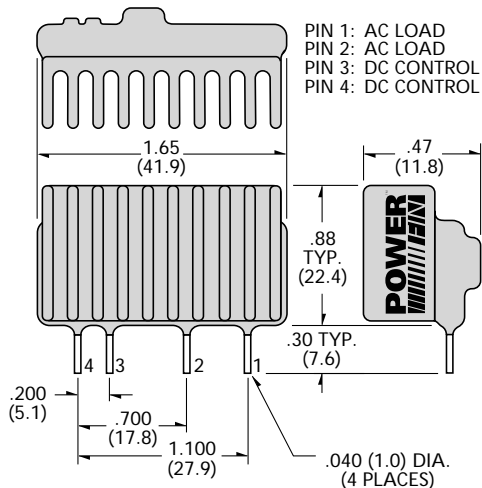
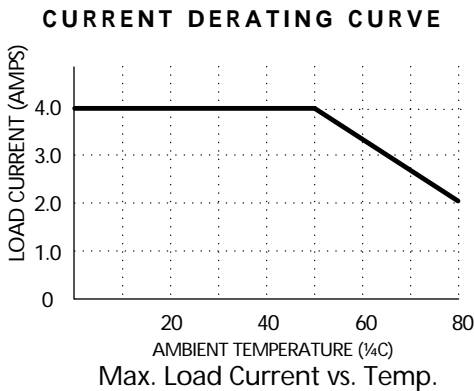


- Integral Heat Sink Design
- DC Control, AC Output
- SCR Output
- Crydom's Patented Design

profile SIP has the same pin-out as the popular Series CX. The MPF is designed for repetitive switching and applications where precise electrical power control is essential. Zero voltage or random switching (R suffix) versions are available.

The Series MPF Solid State Relay offers Crydom's patented PowerFin™ design technology for a SPST-NO AC output SSR with a 4.0 Amp rating. This low

Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.



All dimensions are in inches (millimeters)

MODEL NO.	MPF240D4	MPF240D4R
<b>INPUT SPECIFICATIONS ①</b>		
Control Voltage Range	4-10 Vdc	4-10 Vdc
Nominal Input Impedance	300 Ohm	300 Ohm
Typical Input Current @ 5 Vdc	15 mA <sub>dc</sub>	15 mA <sub>dc</sub>
Must Turn On Voltage	4.0 Vdc	4.0 Vdc
Must Turn Off Voltage	1.0 Vdc	1.0 Vdc
<b>OUTPUT SPECIFICATIONS ①</b>		
Operating Voltage Range (47-63 Hz)	12-280 Vr <sub>ms</sub>	12-280 Vr <sub>ms</sub>
Load Current Range	0.1 - 4.0 Arms	0.1 - 4.0 Arms
Transient Over-Voltage	600 V <sub>pk</sub>	600 V <sub>pk</sub>
Max. Surge Current, (16.6ms)	40 A <sub>pk</sub>	40 A <sub>pk</sub>
Min. Off-State dv/dt @ Max. Rated Voltage ③	500 V/μsec	500 V/μsec
Max. Off-State Leakage @ Rated Voltage	0.1 mA <sub>rms</sub>	0.1 mA <sub>rms</sub>
Max. On-State Voltage Drop @ Rated Current	1.5 V <sub>pk</sub>	1.5 V <sub>pk</sub>
Max. Turn-On Time	1/2 cycle	0.1 msec
Max. Turn-Off Time	1/2 cycle	1/2 cycle
Power Factor (Min.) With Max. Load	0.5	0.5

<b>GENERAL SPECIFICATIONS</b>	
Dielectric Strength ②	3750 Vr <sub>ms</sub>
Insulation Resistance (Min.) @ 500 Vdc ②	10 <sup>9</sup> Ohm
Max. Capacitance	8.0 pF
Ambient Operating Temperature Range	-30 to 80¼C
Ambient Storage Temperature Range	-30 to 125¼C

<b>MECHANICAL SPECIFICATIONS</b>	
Weight: (typical)	0.6 oz. (17 g)
Encapsulation:	Thermally Conductive Epoxy

**GENERAL NOTES**

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- ① All parameters at 25°C unless otherwise specified.
- ② Dielectric and insulation resistance are measured between input and output.
- ③ Off-State dv/dt test method per EIA/NARM standard RS-443.

**APPROVALS**

UL E116950  
CSA LR81689

