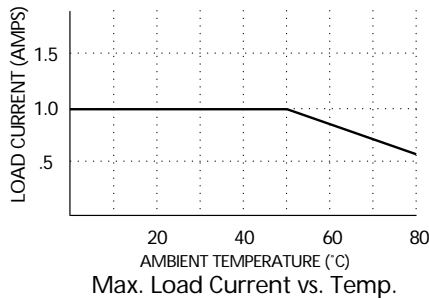


- Compact for High Density PCB Mount
- DC Control, AC Output
- SCR Output
- Crydom's Patented Design
- Zero Cross Switching

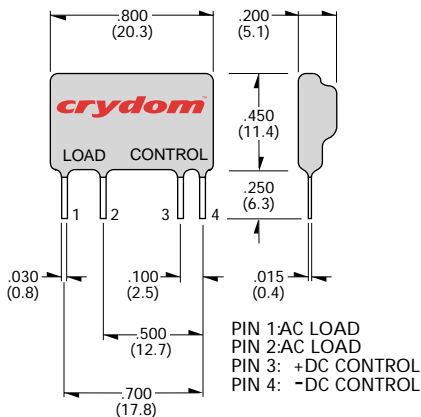
The Series SPA solid state relays are rated at 1.0 Amp RMS at ambient temperatures up to 40°C. The compact 4 pin SIP package is perfect for high density printed circuit boards

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

CURRENT DERATING CURVE



MODEL NO.	SPA4191	SPA6191
INPUT SPECIFICATIONS ①		
Control Current Range	10-35 mA	10-35 mA
Must Turn On Current	10 mA	10 mA
Must Turn Off Current	1 mA	1 mA
OUTPUT SPECIFICATIONS ①		
Operating Voltage Range (47-63 Hz)	20-140 Vrms	20-280 Vrms
Load Current Range	.025-1.0 Arms	.025-1.0 Arms
Transient Over-Voltage	400 Vpk	600 Vpk
Max. Surge Current, (16.6ms)	30 Apk	30 Apk
Min. Off-State dv/dt @ Max. Rated Voltage ③	500 V/μsec	500 V/μsec
Max. Off-State Leakage @ Rated Voltage	0.01 mArms	0.01 mArms
Max. On-State Voltage Drop @ Rated Current	1.5 Vpk	1.5 Vpk
Max. Turn-On Time	1/2 cycle	1/2 cycle
Max. Turn-Off Time	1/2 cycle	1/2 cycle
Power Factor (Min.) With Max. Load	0.5	0.5
GENERAL SPECIFICATIONS		
Dielectric Strength ②	2500 Vrms	
Insulation Resistance (Min.) @ 500 Vdc ②	10 ⁹ Ohm	
Max. Capacitance	8.0 pF	
Ambient Operating Temperature Range	-30 to 80°C	
Ambient Storage Temperature Range	-30 to 125°C	
MECHANICAL SPECIFICATIONS		
Weight: (typical)	0.15 oz. (4.3 g)	
Encapsulation:	Thermally Conductive Epoxy	



GENERAL NOTES

- 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.

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