

- ► Back to back dual SCR output
- ► Ratings up to 2 amps at 280Vac
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- output ► Compact design for high-density PCB circuits
- ► UL, CSA, CE Compliant

Output Specifications			
Voltage range (Vrms)	12-280Vac		
Peak voltage (Vpk, t = I min.)	600		
Off-state leakage mArms	0.1		
(@ max. line voltage & Ta = 25°C)			
Output current (Arms)	2		
(see derate curve)			
Minimum current (mArms)	60		
Max. 1 cycle surge current	120		
(Apk, Ta = 25°C)			
I <sup>2</sup> T (60Hz, ½ cycle)	60		
Max. forward voltage drop	1.5		
(Vpk @ Imax, Ta = 25°C)			
Static off-state dv/dt	500		
(V/µs, Ta = 25°C)			
Power factor (min.) with max load	0.5		
Input Specifications			
Input voltage	4-10Vdc		
Drop out voltage	1Vdc		
Typical input current (@5Vdc)	15 mAdc		
@ Nominal Voltage			
Nominal Input Resistance (Ohms)	300		
Max. Turn-on time*	1/2 AC Cycle		
Max. Turn-off time	1/2 AC Cycle		
* Random SSR's turn on in less than 100µs			
General Characteristics			
Operating Temperature (°C)	-30 to + 80		
Storage Temperature (°C)	-30 to + 125		
Input to output isolation	2500Vrms		
Input to output capacitance	10pF (typical)		
Operating Frequency	47 to 63 Hz		
Encapsulation	Thermally Conductive Epoxy		
Weight (typical)	0.15 oz. (4.3g)		
Standards of Compliance			
CE Compliant with the LVD 73/23/EEC			
UL Recognized			
CSA Certified			



Part Numbers				
Zero-Crossing Output (resistive loads)				
Rating	Output	Input	Part Number	
2 Amp	12-280Vac	4-10VDC	CASO242	
Random Fire Output (inductive loads)				
Rating	Output	Input	Part Number	
2 Amp	12-280Vac	4-10VDC	CASO242R	

## **CURRENT DERATING CURVES**



