

Crydom

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CASO SERIES



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

Output Specifications

Voltage range (Vrms)	12-280Vac
Peak voltage (Vpk, t = 1 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 ² 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

