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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 (@ max. line voltage & Ta = 25°C)	0.1
Output current (Arms) (see derate curve)	2
Minimum current (mArms)	60
Max. 1 cycle surge current (Apk, Ta = 25°C)	120
i <sup>2</sup> T (60Hz, ½ cycle)	60
Max. forward voltage drop (Vpk @ Imax, Ta = 25°C)	1.5
Static off-state dv/dt (V/μs, Ta = 25°C)	500
Power factor (min.) with max load	0.5

## Input Specifications

Input voltage	4-10Vdc
Drop out voltage	1Vdc
Typical input current (@5Vdc) @ Nominal Voltage	15 mAdc
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

