



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 ² 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

