

General Information

SSRD is an industry standard package outline containing a dual relay. It is constructed using the Powertherm™ process which minimizes thermal interconnections, allowing for cool and reliable operation. Power sections incorporates **SCR** die. The logic section uses the latest in surface mount technology. The shell is made of a high grade stable plastic material insuring protection of the device in the most demanding of environments. An exposed ceramic makes up the base of the relays to provide the best thermal performance.

UL & ULC Recognized



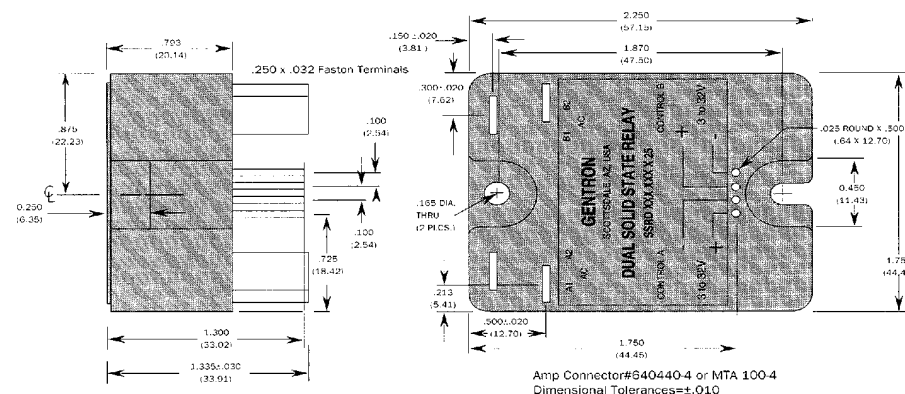
Product Selection Guide Two Pole SSRD Series (Dual)

Example: SSRD1200480R40

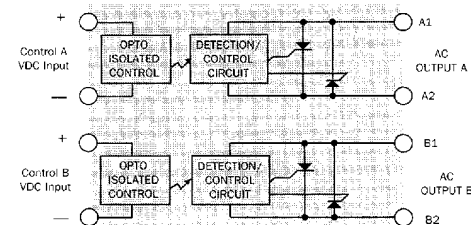
Step 1 Package and Chip Type	Step 2 Maximum Blocking Voltage (piv) / Line Rating	Step 3 Input Type	Step 4 Output Current Amps	Step 5 Options
SSRD - SCR	1200480 600240	D - Zero Cross R - Random Cross	40 25	No Option: No Suffix -005 LED's On -006 Normally Closed -007 -65°C Operation -009 Thermal Sensor -012 EZMount™ -013 Current Sense -015 Output Snubber -016 With MOV -017 Test data printed -018 Selected data on label -020 Back Mounting Insert -021 TransAX™ Transient Eliminator up to 2000V Protection!
Max. Transient Overvoltage VAC PEAK	1200 480 48 600 240 24	Max Input Current 15ma @ - VDC	1.7 500 1040 85 .5 1.7 300 370 45 .4	
Max. Line Voltage(VAC)		Min. Input Voltage - VDC		
Min. Line Voltage (VAC)		Max. Input Voltage - VDC		
		Min. Turn Off Current - mA DC		
		Min. Turn Off Voltage - VDC		
		Max. Turn On Time - mS		
		Reverse Voltage - VDC		
		Max. On-State Voltage Drop @ Max. Rated Current - V		
		Max Single Cycle Surge Current		
		Max Fusing I²T Value (8.3 mS) - A² Sec.		
		Max. Power Dissipation (Tc=85°C) - W		
		Max. Thermal Resistance Jc - °C/W (one section on)		

Isolation: 4000V Input to Output
Operating Temp. Range: -40°C to 125°C
dv/dt: 500V/μs Typical
Operating Frequency: 47 to 400 Hz

Dimensional Drawing



Electrical Schematic



Gentron increased the maximum line voltage for it's dual package to 480 and kept the terminal layout identical to the 240 volt dual.

View the world wide web site: spec sheets, distributor stock, catalog request and order placement. Find out about the latest in solid state relay technology @ <http://www.gentron.com>



Inquire about Gentron's exclusive EZmount™ and TransAX™ options.