

TECHNICAL DATA
DATA SHEET 469, REV. -

EF RTP Series Solid State Relays

Introduction:

A high current heavy duty package is used in this cutting-edge SSR product. Its high grade stable plastic shell, ceramic base as well as high purity, high thermal conductivity encapsulant provide excellent protection of the device and thermal performance which allow for applications in various environments. The input control signal is 90-280VAC, the output power section contains **SCR** die; maximum output current can be up to 150 Amps per phase.



General Parameters:

Part Number	Input Voltage Range	Max Input Current	Max Transient Over-voltage	Max Line Voltage	Min Turn Off Voltage & Current	Max Turn On Time	Max Output Current	Max Single Cycle Surge Current	Max Power Dissipation	Max Thermal Resistance
EF RTP200480A150	90-280VAC	30 mA	1200 VAC	500 VAC	10 VAC 2.5 mA	8.3 ms	150 Amps	1950 Amps	1000 W	0.3 °C/W
EF RTP1200480A55	90-280VAC	30 mA	1200 VAC	500 VAC	10 VAC 2.5 mA	8.3 ms	55 Amps	600 Amps	500 W	0.35 °C/W

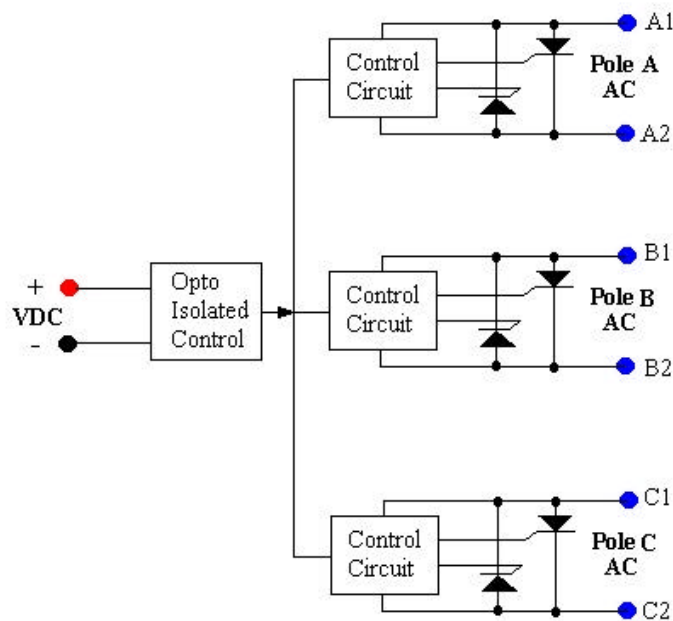
Important Characteristics:

Isolation: 4000V from Input to Output
Operating Frequency: Up to 400 Hz
Operating Temperature Range: -40 °C to 125 °C
Output Current: Up to 150 Amps Per Phase
Maximum Fusing I²T Value: Up to 13500A²Sec
Isolation: 2500V from Input to Output
Operating Frequency: Up to 20,000 Hz
Operating Temperature Range: -40 °C to 125 °C
Output Current: Up to 100 Amps DC

dv/dt: 500V/m S
Reverse Voltage: -32 VDC

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Schematic



Package Dimensions

