

TECHNICAL DATA  
PART NUMBER: SCP-5285, REV F**AC SOLID STATE RELAY****Features:**

- Back-to-back SCR output for high reliability
- 75A rating upto 85°C Base Plate Temperature
- 1600V Surge Voltage Withstand Capability
- Zero voltage Turn-ON Switching reduces EMC issues
- Panel Mount with Screw Terminals for easy assembly
- Similar to Teledyne SSR1600660D75

**Electrical Characteristics**

<b>Input Power</b>	
Input Voltage	4.5V ~ 32V DC
Input Current at any input voltage	15 mA Typ
Reverse Voltage	-32V DC (max)
Must Turn-off voltage	1.0V DC (max)
Turn-off Current	0.25 mA (max)
<b>Output</b>	
Operating Voltage	48V ~ 660V AC
Frequency Range	47 Hz ~ 440 Hz
Output Current	75A max upto 85°C Base Plate Temperature
Peak Single cycle (upto 10 msec) Surge	800A typ
Min Load Current	100 mA RMS
Transient Overvoltage (Vpk)	Up to 1600V
Surge Current	800 Apk for 16.6 msec (max)
ON State Voltage Drop	1.85V @ 75A (max)
OFF State Leakage Current	20 mA RMS (max)
OFF State dv/dt @ 660VAC	1000 V/usec
Turn-ON Time	8.3 msec @ 60 Hz or ½ cycle (max)
Turn-OFF Time	8.3 msec @ 60 Hz or ½ cycle (max)

**Physical Characteristics**

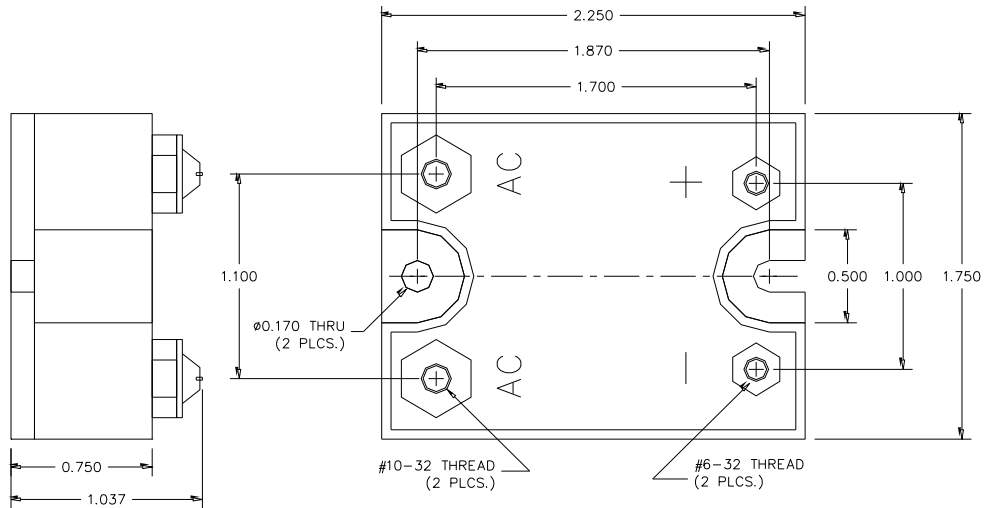
<b>Temperature</b>	
Operating	Tc = -55°C to +85°C
Storage	Tc = -55°C to +125°C
Hipot: input / output to case	Up to 3000 V rms 1 minute minimum

<b>Cooling</b>	
Power Dissipation	100W upto 85°C base plate temperature
Thermal Resistance (Junction to Case)	0.3 °C/W

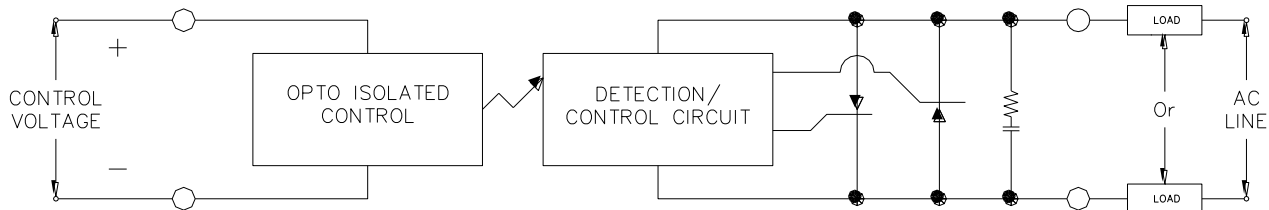
<b>Others</b>	
Case Dimensions	See Drawing
Base Plate Material	Copper Plate
Terminals	Floating Screw Type
Construction	High Temperature Plastic Housing

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**Mechanical Dimensions: in mm (Inches)**



**Electrical Block Diagram**



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