

**TECHNICAL DATA**  
**PART NUMBER: SCP-5285, REV C****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
Min Load Current	100 mA RMS
Transient Overvoltage (Vpk)	Up to 1200V
Surge Current	800 Apk for 16.6 msec (max)
ON State Voltage Drop	1.7V @ 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)

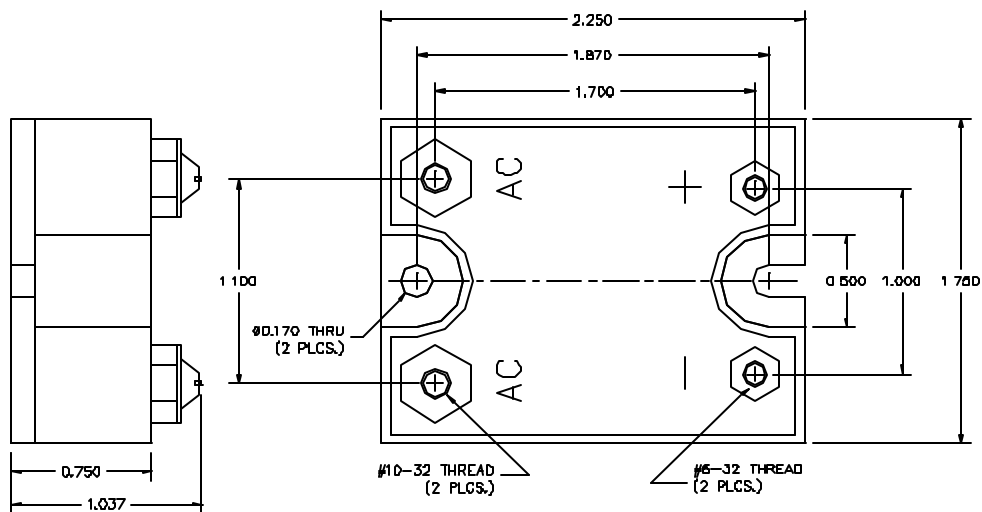
**Physical Characteristics**

<b>Temperature</b>	
Operating	T <sub>c</sub> = -40°C to +85°C
Storage	T <sub>c</sub> = -40°C to +125°C
Hipot: input / output to case	Up to 1500 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

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

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



**TECHNICAL DATA**

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