Features

- **Compatible with TTL Gates**
- **Push–On Connector Terminals**
- **Mounts on a TO3 Transistor Heat Sink**

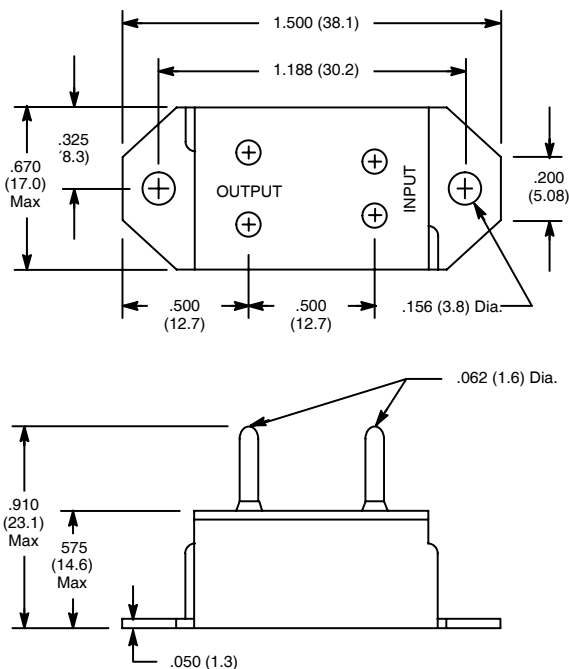# RS2 Series

Printed Circuit Board Mountable Solid State Relay, 7 Amp.

D37

Input Specifications

Control Voltage:
     RS2–1D7–33 . . . . 5VDC
     RS2–1D7–35 . . . . 12VDC
Max Pick–up Voltage:
     RS2–1D7–33 . . . . 4.3VDC
     RS2–1D7–35 . . . . 10.3VDC
Min Drop–out Voltage: 1.5VDC
Max Input Current: 15mADC

Output Specifications

Nom. Off–State Voltage: 120V (RMS)
Non–Repetitive Peak Voltage: 400V
Min–Max Off–State Voltage: 20V to 260V (RMS)
Rated Load Current: 7A (RMS)
Min. Load Current: 20mA (RMS)
Non–Repetitive Surge Current: 50A
Max. Off–State Leakage Current: 100μA (RMS)
Max. On–State Voltage: 1.8V (RMS)

Electrical Specifications

Operational Characteristics

Response Time: Turn–On . . . . 16mS Max
                         Turn–Off . . . . 60mS Max
Max. Rate of Rise of Off–State Voltage:
          Blocking 100V/μS
          Commutating 4V/μS
Dielectric Strength (Input–Output Isolation): 2500VAC
Insulation Resistance (@ 500VDC): 10,000MΩ
Max. I^2t for Fusing (8.3mS): 24

Environmental Characteristics

Operating: –40°C to +65°C
Storage: –40°C to +100°C

Schematic showing typical TTL input connections