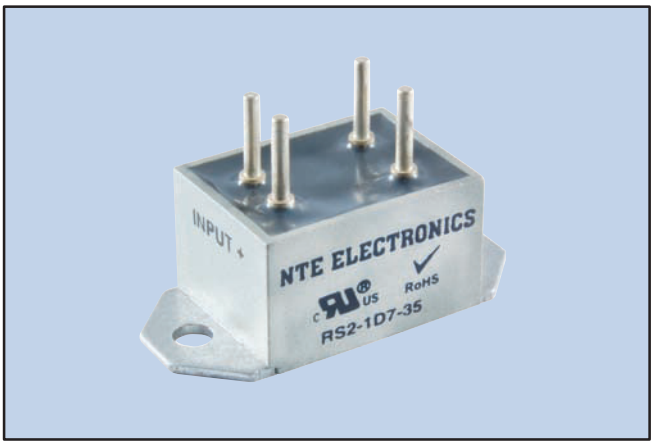
RS2 Series

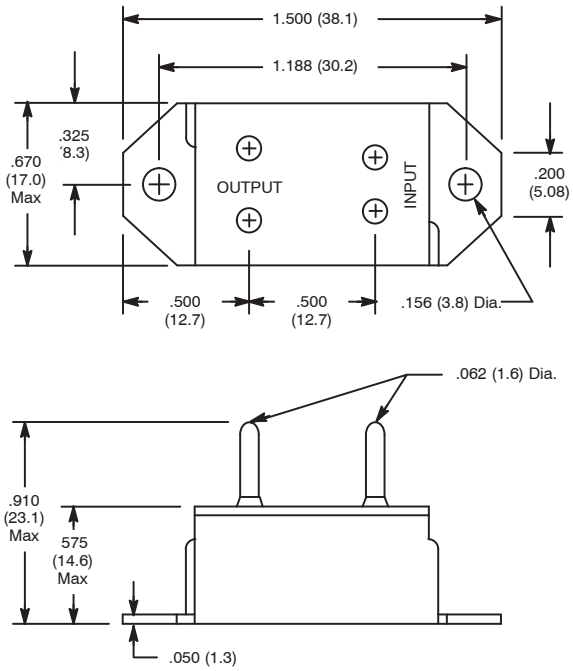
Features

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



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