

## Features

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

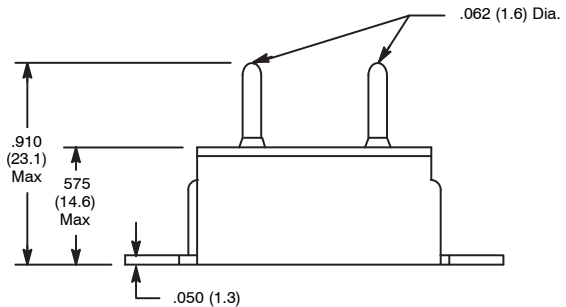
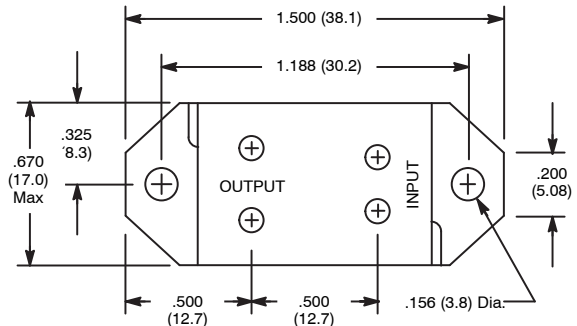
# RS2 Series



## 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

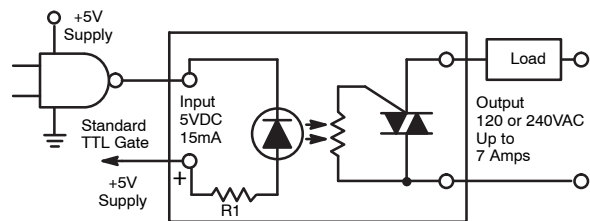
### Operational Characteristics

- 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<sup>2</sup>t 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



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