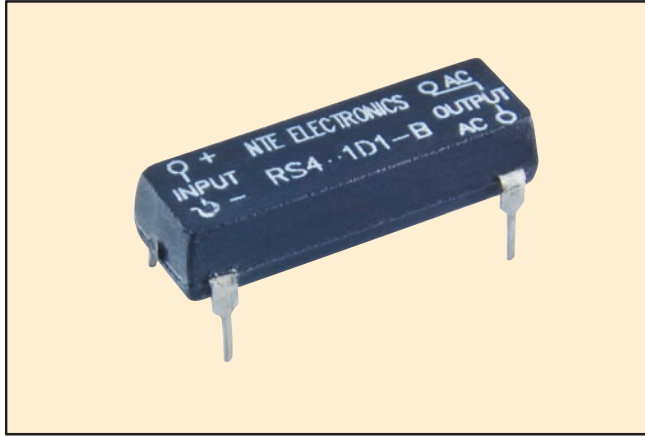


Features

- Current or Voltage Input Types
- SCR Output
- Zero Crossing Switching
- Standard 16-Lead DIP Type Package with 4 Pins

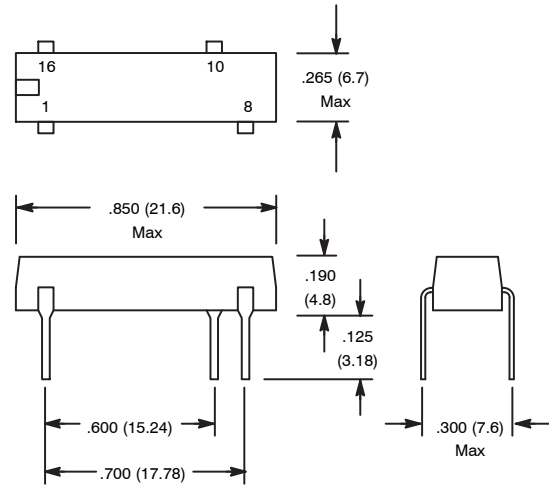


RS4 Series



Printed Circuit Board Mountable Solid State Relay, 1 Amp.

D63



Input Specifications

RS4-1D1-A (Current Input Type)

Control Current Range: 10–35mA
Must Turn-On Current: 10mA
Must Turn-Off Current: 1mA

RS4-1D1-B (Voltage Input Type)

Control Voltage Range: 3.5–10VDC
Nom. Input Impedance: 270Ω
Typ. Input Current (@ 5VDC): 15mA
Must Turn-On Voltage: 3.5VDC
Must Turn-Off Voltage: 1.0VDC

Output Specifications

Operating Voltage Range: 20–280V (RMS)
Load Current Range: 0.01–1.0A (RMS)
Transient Over-Voltage: 600V (Peak)
Max. Surge Current (16.6ms): 30A (Peak)
Min. Off-State dv/dt: 500V/μs at max. rated voltage
Max. Off-State Leakage Current: 0.01mA (RMS) at rated voltage
Max. On-State Voltage Drop: 1.2V (Peak) at rated current
Max. Turn-On Time: 1/2 cycle
Max. Turn-Off Time: 1/2 cycle
Power Factor (Min.) with Max. Load: 0.5

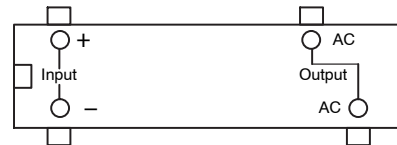
Electrical Specifications

Dielectric Strength (Input-Output Isolation): 3750V (RMS)
Min. Insulation Resistance (@ 500VDC): 10⁹ Ω
Max. Capacitance (Input-Output): 2.0pF

Environmental Characteristics

Operating: –30°C to +80°C
Storage: –30°C to +125°C

Pin Connection Diagram



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