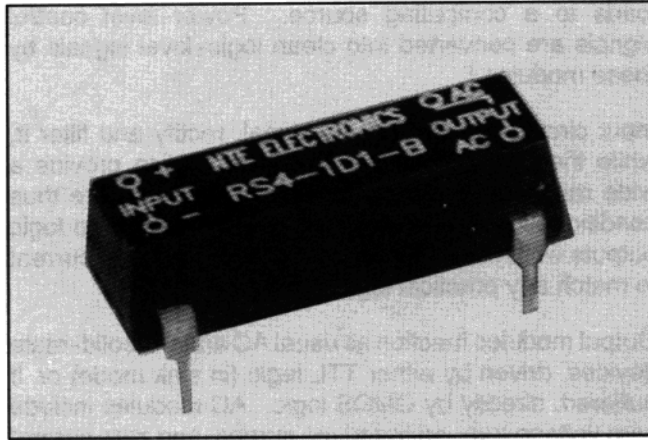


Features

- Current or voltage input types
- SCR output
- Zero crossing switching
- Standard 16-Lead DIP type package with 4 pins

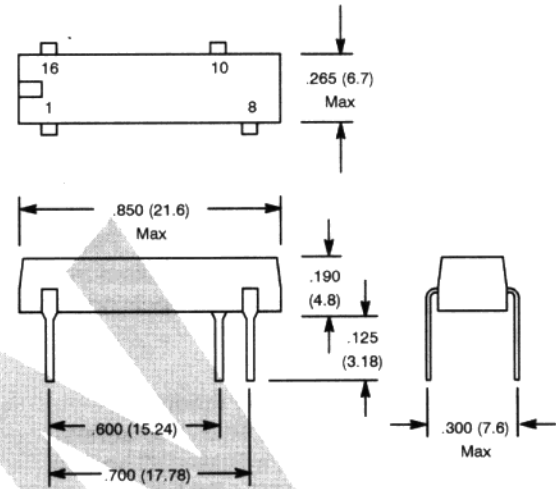


RS4 Series



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): $10^9 \Omega$
 Max. Capacitance (Input-Output): 2.0pF

Environmental Characteristics

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

Pin Connection Diagram

