

Features

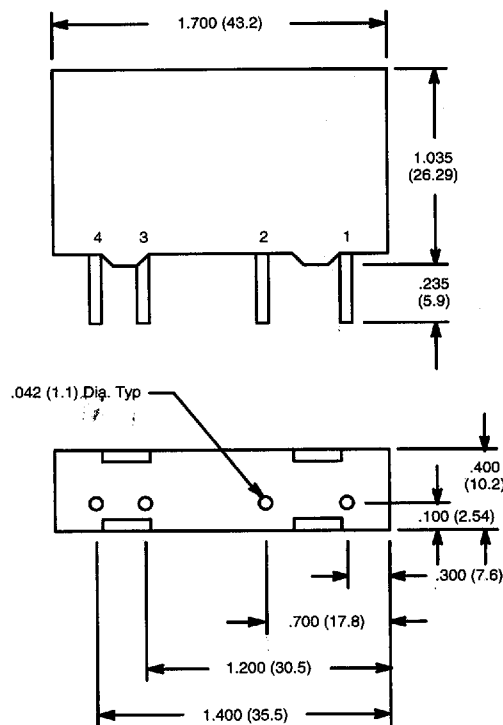
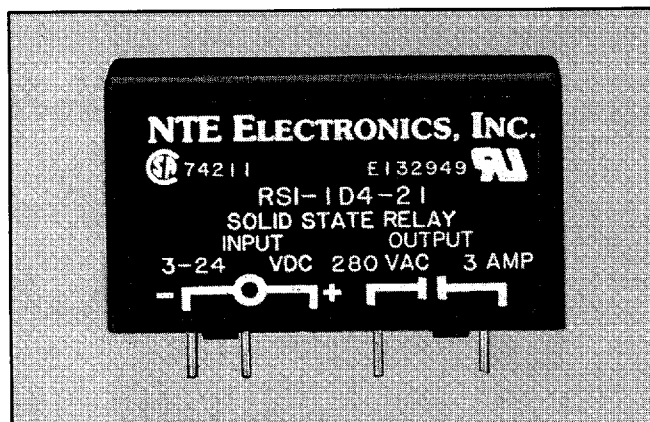
- Thick film hybrid construction
- High current thyristor for 100A surge capability
- 4KV Optical Isolation
- Industry standard package

RS1-1D4-21



Printed Circuit Board Mountable Solid State Relay-4Amp

D30



Tolerance: ± 0.020 (± 0.50)

Input Specifications

Control Voltage: 3-24VDC
Min Turn on Voltage: 3.0VDC
Max Input Voltage: 24VDC
Drop Out Voltage: 1.0VDC
Max Input Current: 25mADC
Nom Input Resistance: 1K Ohms

Output Specifications

Max Output Voltage: 280VAC
Max Output Current: 4A @ 20°C Ambient
Nom Line Voltage: 240Vrms
Min Line Voltage: 24Vrms
Max Line Voltage: 280Vrms
Max Peak Off-State Vltg: 600V peak
Static (Off-State) dv/dt: 200V/ μ s

Electrical Specifications

Max On-State Current: 3.5A
Min On-State Current: 0.5A
Max 1-Cycle Surge: 100A
On State Voltage Drop: 1.6V peak
Max On-State Leakage: 6.0mArms

Environmental Characteristics

Operating: -30°C to +80°C
Storage: -40°C to +100°C

Operational Characteristics

Response Time: 0.5 Cycle
Capacitance Input to Output: 8pf Max
Line Freq Range: 47 to 63 Hz

Equivalent Circuit

