

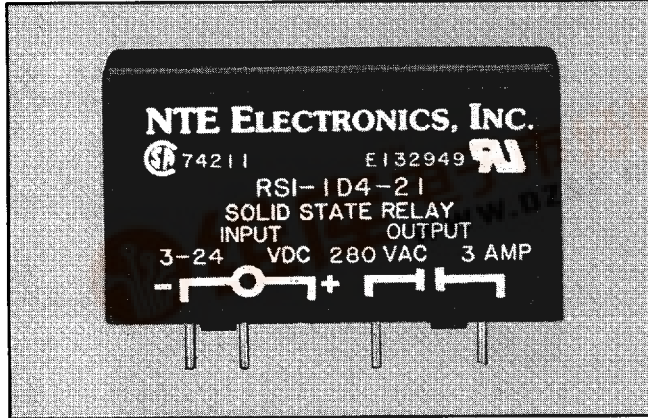
RS1-1D4-21



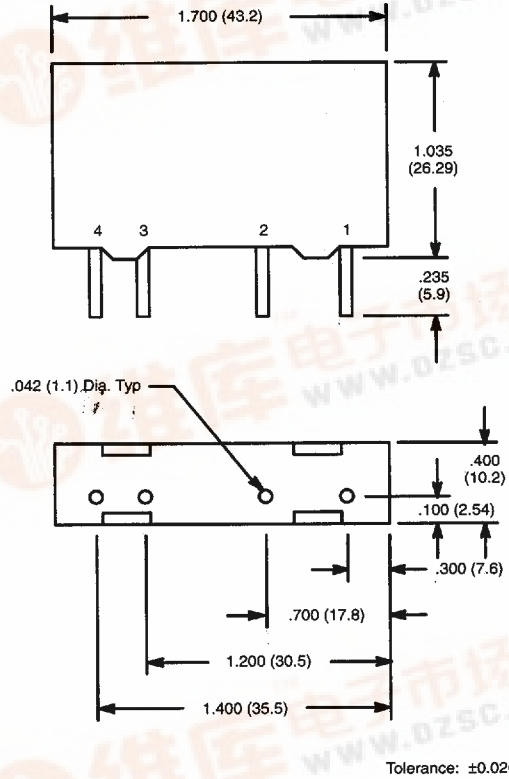
Features

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

Printed Circuit Board Mountable Solid State Relay-4Amp



D30



Input Specifications

- Control Voltage: 3-24VDC
- Min Turn on Voltage: 3.0VDC
- Max Input Voltage: 24VDC
- Drop Out Voltage: 1.0VDC
- Max Input Current: 25mA DC
- 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/μs

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: 6.0mA rms

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

