

17E Series

Surface Mount



PRODUCT DESCRIPTIONS

The 17E Series is one of the Sanyu 30 Watt SMT relays, featuring 50 Ω impedance and high dielectric strength in small form factor. This series has been widely accepted by the ATE, telecommunications, and instrument markets.

SPECIFICATIONS



| 17E Series | | 17E-1A□2G-01 | | G: Gull-Wing, J: J-Lead |
|--------------------------------------|------------------------|------------------------------|------|--|
| | | 17E-1A□2J-01 | | |
| Parameters | Units | 1 Form A | | Test Conditions |
| Coil Specifications | | | | |
| Nominal Coil Voltage | VDC | 5.0 | 12.0 | ±10% @ 20°C 15°C to 35°C 15°C to 35°C |
| Coil Resistance | Ω | 200 | 825 | |
| Operate Voltage | VDC Max | 3.3 | 8.1 | |
| Release Voltage | VDC Min | 0.7 | 1.2 | |
| Contact Ratings | | | | |
| Switching Voltage | Volts | 200 | | Max DC/Peak AC resistance |
| Switching Current | Amps | 0.5 | | Max DC/Peak AC resistance |
| Carry Current | Amps | 1.3 | | Max DC/Peak AC resistance |
| Contact Rating | Watts | 30 | | Max DC/Peak AC resistance |
| Life Expectancy | x10 ⁶ Cycle | 1000 | | @ 1V 10mA |
| Contact Resistance | mΩ | 150 | | Max initial @ operate voltage |
| Contact Resistance Stability | mΩ | 5.0 | | Max initial @ operate voltage |
| Relay Specifications | | | | |
| Insulation Resistance | Ω Min | 10 ¹² | | Between all isolated pins @ 100V 20°C 40%RH |
| Dielectric Strength | VDC Min | 300 | | Between contacts |
| | VDC Min | 1500 | | Contacts to shield |
| | VDC Min | 1500 | | Contacts/Shield to coil |
| Operate Time (Including Bounce) | msec Max | 0.4 | | @ nominal coil voltage |
| Release Time | msec Max | 0.2 | | 100Hz square wave Diode Suppression |
| Environmental Ratings | | | | |
| Measurement Reference Conditions | | Storage temp: -40°C to +85°C | | |
| Temp: 15°C to 35°C | | Operate temp: -20°C to +80°C | | |
| Humidity: 25% to 75%RH | | Vibration: 20G's to 2000Hz | | |
| Atmospheric Pressure: 860 to 1060hpa | | Shock: 50G's | | |

Ordering code:

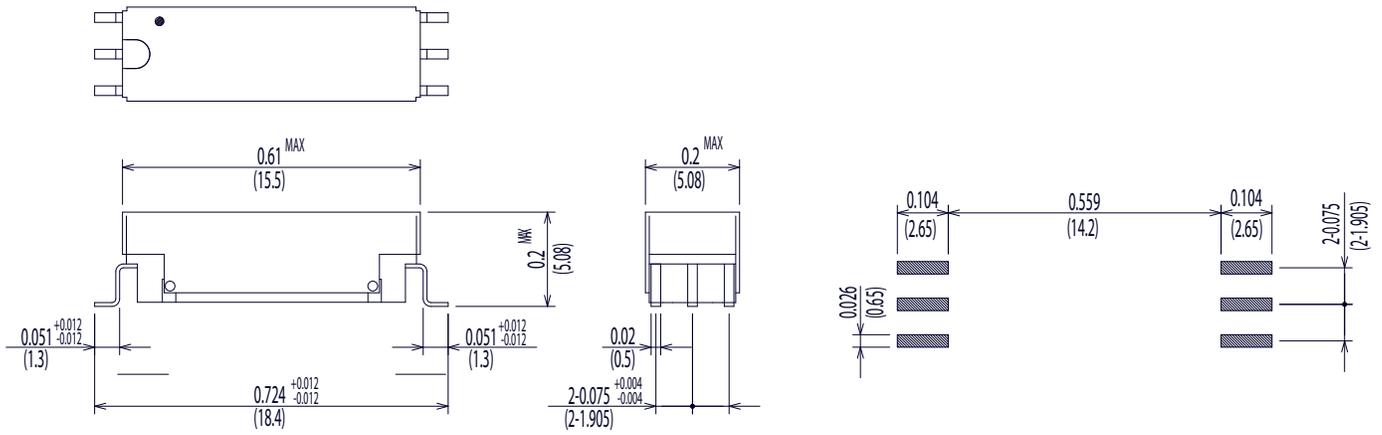
17E-1A□2G/J-01

□=1 (5.0VDC), 2 (12.0VDC)

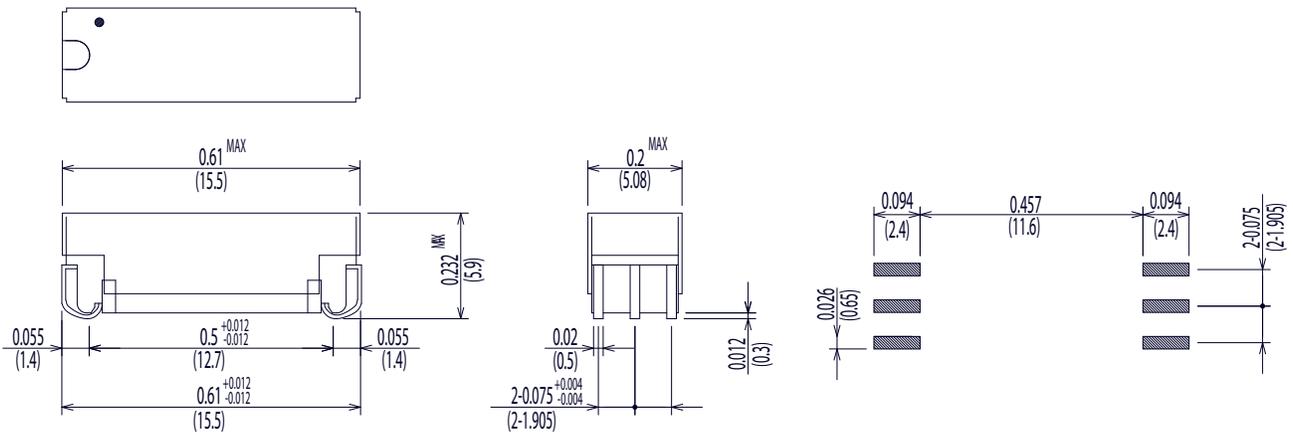
Dimensions All Dimensions are inches (mm)

Land Pattern Recommendation

17E-1A □2G-01



17E-1A □2J-01



Schematic <Top View>

