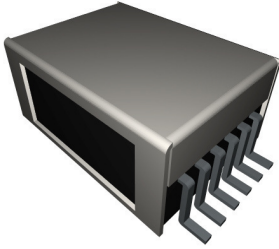


3EH Series

Miniature Surface Mount 1 Form E



PRODUCT DESCRIPTIONS

The 3EH Series features the most reliable 1 Form E (1 Form A + 1 Form B) relays in the Sanyu SMT product line.

These relays provide high-cycle support demanded by the ATE and measurement instrument industries.

- RF Performance up to 2.5GHz
- Impedance 50Ω
- High Reliability 1 Form E 3x10⁸



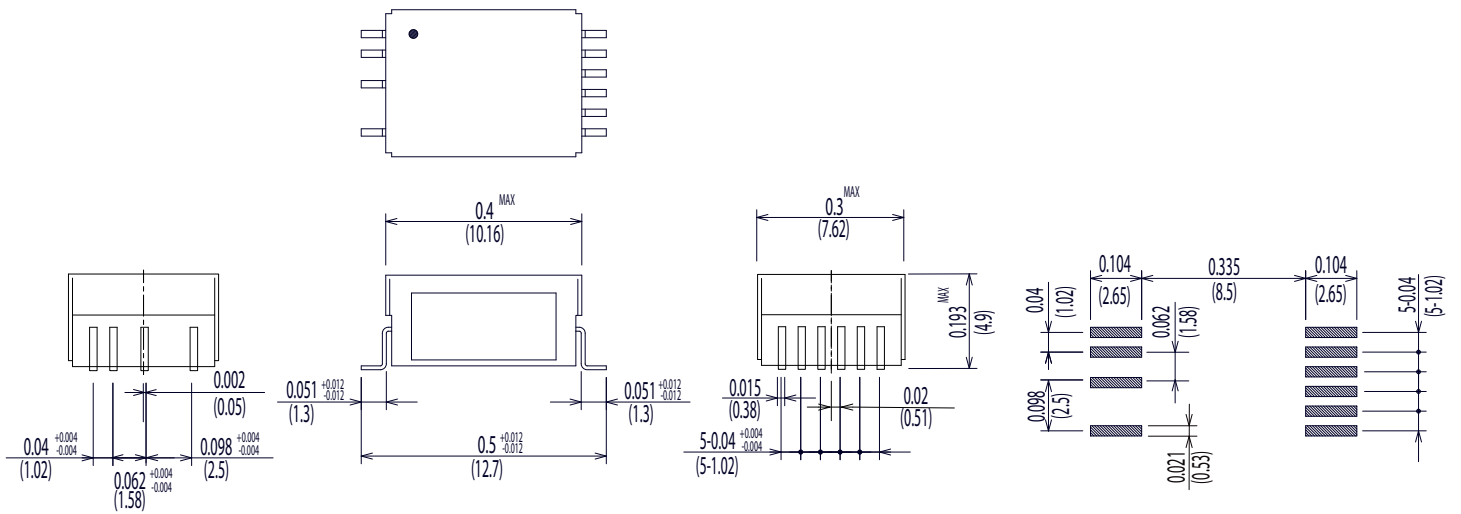
SPECIFICATIONS

3EH Series		3EH-55G	3EH-15G	3EH-25G	
		3EH-55J	3EH-15J	3EH-25J	
Parameters	Units	1 Form E			Test Conditions
Coil Specifications					
Nominal Coil Voltage	VDC	3.3	5.0	12.0	
Coil Resistance	Ω	70	110	550	±10% @ 20°C
Operate Voltage	VDC Max	2.8	3.75	8.8	@ 20°C
Release Voltage	VDC Min	0.5	0.7	1.2	@ 20°C
Contact Ratings					
Switching Voltage	Volts	100			Max DC/Peak AC resistance
Switching Current	Amps	0.5			Max DC/Peak AC resistance
Carry Current	Amps	1.0			Max DC/Peak AC resistance (@30°C)
Contact Rating	Watts	10			Max DC/Peak AC resistance
Life Expectancy	x10 ⁶ Cycle	300			@ 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 ¹¹			Between all isolated pins @ 100V 20°C 65%RH
Dielectric Strength(Static)	VDC Min	200			Between contacts
	VDC Min	250			Contacts to shield
	VDC Min	250			Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	0.5			@ nominal coil voltage 100 Hz square wave
Release Time	msec Max	0.5			Diode suppression
Measurement Reference Conditions			Environmental Ratings		
Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa			Storage temp: -40°C to +85°C Operate temp: -20°C to +60°C Vibration: 20G's to 2000Hz Shock: 50G's Processing temp: 260°C max for 60sec. dwell time		

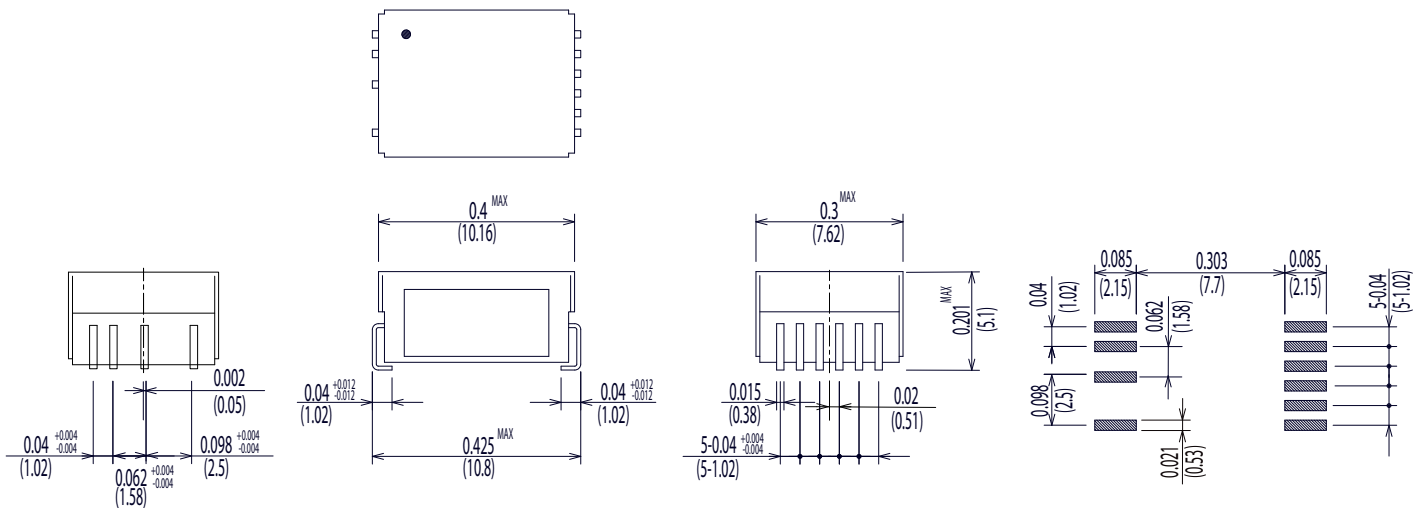
Dimensions All Dimensions are inches (mm)

Land Pattern Recommendation

3EH-55G/3EH-15G/3EH-25G



3EH-55J/3EH-15J/3EH-25J



Schematic <Top View>

