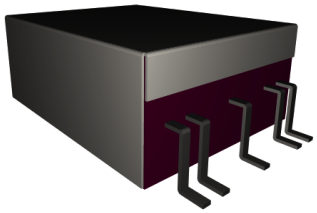
1EH 2 Form A Series

Miniature Surface Mount



PRODUCT DESCRIPTIONS

The 1EH 2 Form A series was especially designed for high performance T-circuit design required by the ATE market. The difference between this series and 3EH series is that the former is capable of keeping open state during system calibration.

As an added feature, the two switched are configured within the relay as a single package, minimizing the physical length of the stub.

SPECIFICATIONS

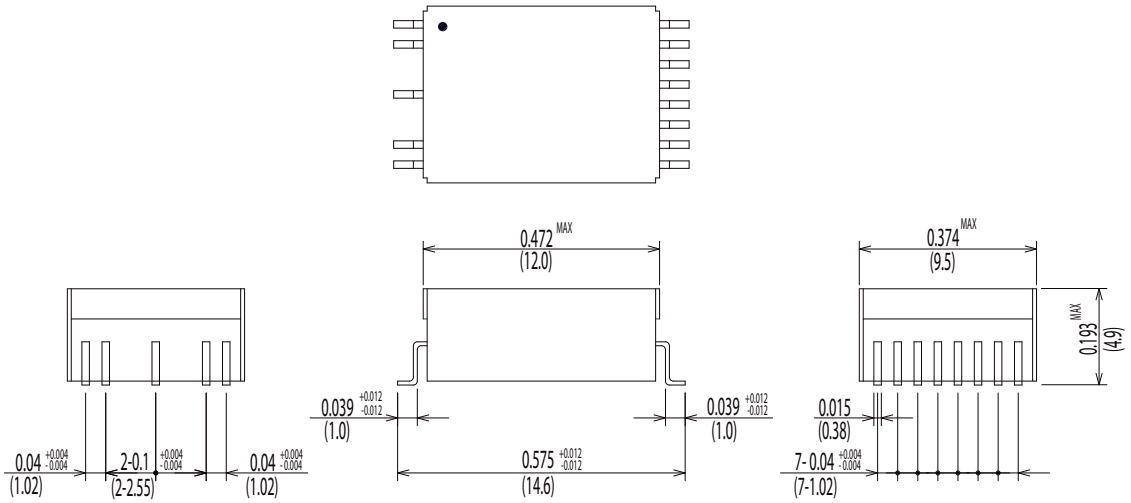
RoHS COMPLIANT

1EH 2 Form A		1EH-2M12G	1EH-2M22G	
Parameters	Units	2 Form A		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	5.0	12.0	
Coil Resistance	Ω	150	500	±10% @ 20°C
Operate Voltage	VDC Max	3.75	8.8	@ 20°C
Release Voltage	VDC Min	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

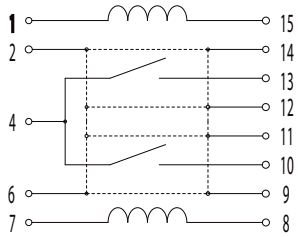
Measurement Reference Conditions	Environmental Ratings
Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa	Storage temp: -40°C to +85°C Operate temp: -20°C to +80°C Vibration: 20G's to 2000Hz Shock: 50G's Processing temp: 260°C max for 60sec. dwell time

Dimensions **All Dimensions are inches (mm)**

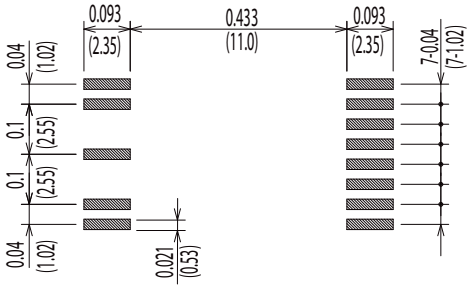
1EH-2M12G/1EH-2M22G



Schematic <Top View>



Land Pattern Recommendation



-Operate Information-

Contact	Coil
pin4 and pin13 ON	pin1 and pin15 impress current
pin4 and pin10 ON	pin7 and pin 8 impress current