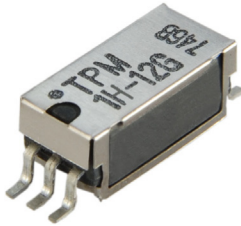


# 1H-12G

## Miniature Surface Mount

### PRODUCT DESCRIPTIONS



The 1H-12G series was specially developed as a low cost alternative to memory inspection systems. In order to effectively reduce costs, the number of leads on each ground was reduced.

With proven tracks of reliability, cost performance and manufacturing capacity, we have been providing this series to the major memory inspection system companies.

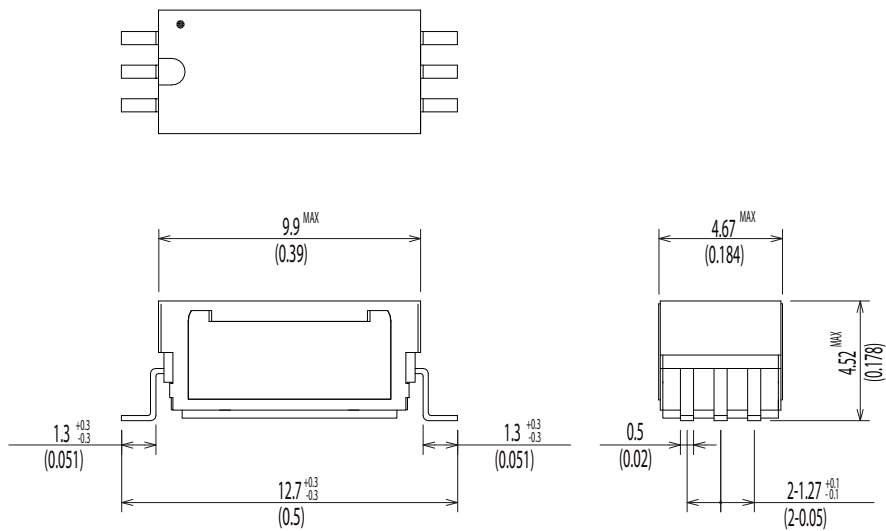
Axial, J-Lead also available

### SPECIFICATIONS

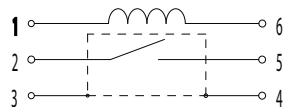


1H-12G		1H-12G	
Parameters	Units	1 Form A	Test Conditions
<b>Coil Specifications</b>			
Nominal Coil Voltage	VDC	5.0	
Coil Resistance	$\Omega$	150	$\pm 10\%$ @ 20°C
Operate Voltage	VDC Max	3.75	@ 20°C
Release Voltage	VDC Min	0.7	@ 20°C
<b>Contact Ratings</b>			
Switching Voltage	Volts	100	Max DC/Peak 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	$\times 10^6$ Cycle	300	@ 1V 10mA
Contact Resistance	m $\Omega$	150	Max initial @ operate voltage
Contact Resistance Stability	m $\Omega$	5.0	Max initial @ operate voltage
<b>Relay Specifications</b>			
Insulation Resistance	$\Omega$ Min	$10^{12}$	Between all isolated pins @ 100V 20°C 65%RH
Dielectric Strength (Static)	VDC Min	200	Between contacts
	VDC Min	1500	Contacts to shield
	VDC Min	1500	Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	0.3	@ nominal coil voltage
Release Time	msec Max	0.05	100 Hz square wave Diode suppression
<b>Measurement Reference Conditions</b>		<b>Environmental Ratings</b>	
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 mm (inch)**



**Schematic <Top View>**



**Land Pattern Recommendation**

