

1H-1T Series

Miniature Surface Mount 1 Form C (A+B)

PRODUCT DESCRIPTIONS



The 1H-1T series is Miniature Surface Mount reed relay which achieves a higher contact rating, small mounting area and high reliability using 1FormC configuration, by implementing our well-known 1 Form A + 1 Form B technology. The standard magnetic field feature reduces magnetic interference and is suitable for a high density board. Ideal for ATE, measurement equipment and telecommunications.

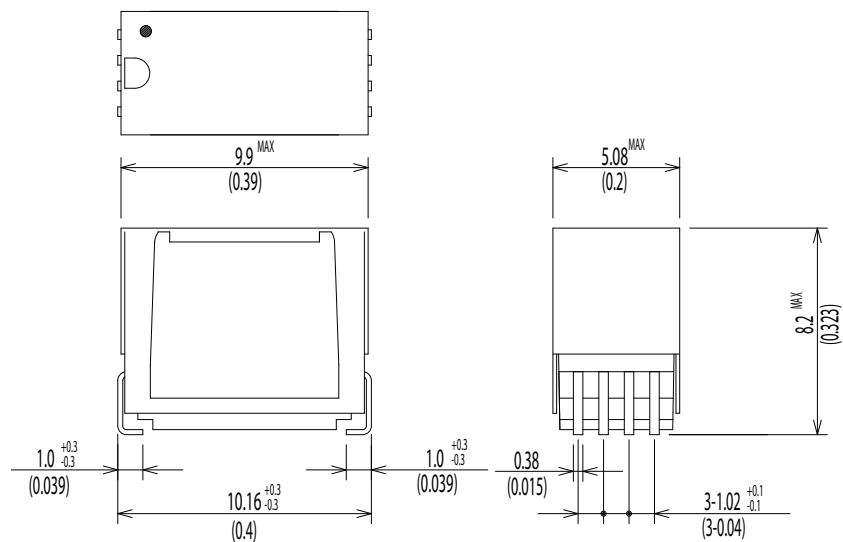
- J-Lead Configuration (Axial or Gull-Wing also available, please ask)
- Contact Rating 10W
- Switching Capability 100V
- Reliability 300×10^6

SPECIFICATIONS

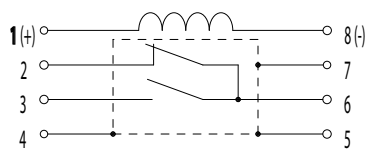


1H-1T Series		1H-1T53J	1H-1T13J	1H-1T23J	
Parameters	Units	1 Form C (A+B)			Test Conditions
Coil Specifications					
Nominal Coil Voltage	VDC	3.3	5.0	12.0	±10% @ 20°C @20°C @20°C
Coil Resistance	Ω	70	110	550	
Operate Voltage	VDC Max	2.8	3.75	8.8	
Release Voltage	VDC Min	0.5	0.7	1.2	
Contact Ratings					
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	$\times 10^6$ 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^{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	0.5			@ 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 mm (inch)



Schematic <Top View>



Land Pattern Recommendation

