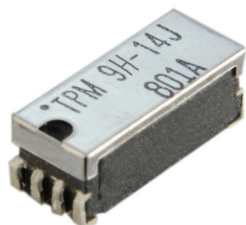


9H Series

Ultra Density Surface Mount

PRODUCT DESCRIPTIONS



Development philosophy with inherited reliability and assembly capacity of 1H Series was put into succession of the 9H Series small form factor reed relay.

Compared with 1H-14J, the mounting area for this series achieved 30% shrinkage with the same great reliability. The 9H Series has a long product life that is widely accepted by the ATE, telecommunications and wireless communications markets.

SPECIFICATIONS

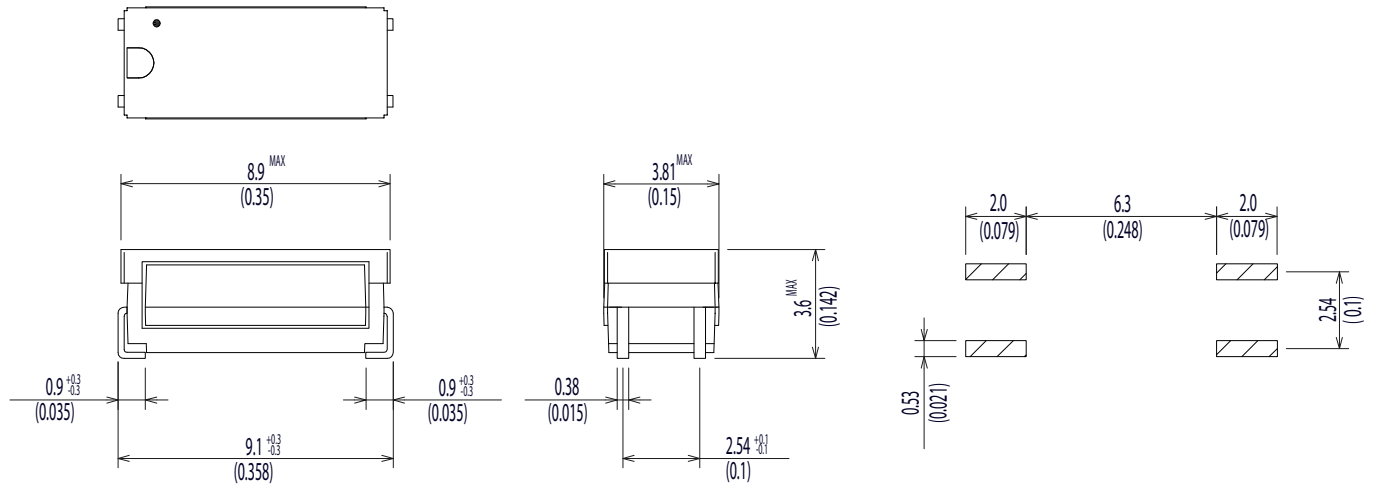


9H Series		9H-50J	9H-10J	9H-54J	9H-14J	
Parameters	Units	1 Form A				Test Conditions
Coil Specifications						
Nominal Coil Voltage	VDC	3.3	5.0	3.3	5.0	
Coil Resistance	Ω	100	200	100	200	$\pm 10\%$ @ 20°C
Operate Voltage	VDC Max	2.8	3.75	2.8	3.75	@ 20°C
Release Voltage	VDC Min	0.5	0.7	0.5	0.7	@ 20°C
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	$\times 10^6$ Cycle	300				@ 1V 10mA
Contact Resistance	m Ω	150				Max initial @ operate voltage
Contact Resistance Stability	m Ω	5.0				Max initial @ operate voltage
Relay Specifications						
Insulation Resistance	Ω Min	10 ¹²		10 ¹²		Between all isolated pins @ 100V 20°C 65%RH
Dielectric Strength (Static)	VDC Min	200		200		Between contacts
	VDC Min	No shield		1500		Contacts to shield
	VDC Min	1500		1500		Contacts to coil
	VDC Min	No shield		1500		Shield to coil
Operate Time (Including Bounce)	msec Max	0.3		0.3		@ nominal coil voltage
Release Time	msec Max	0.05		0.05		100 Hz square wave 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			

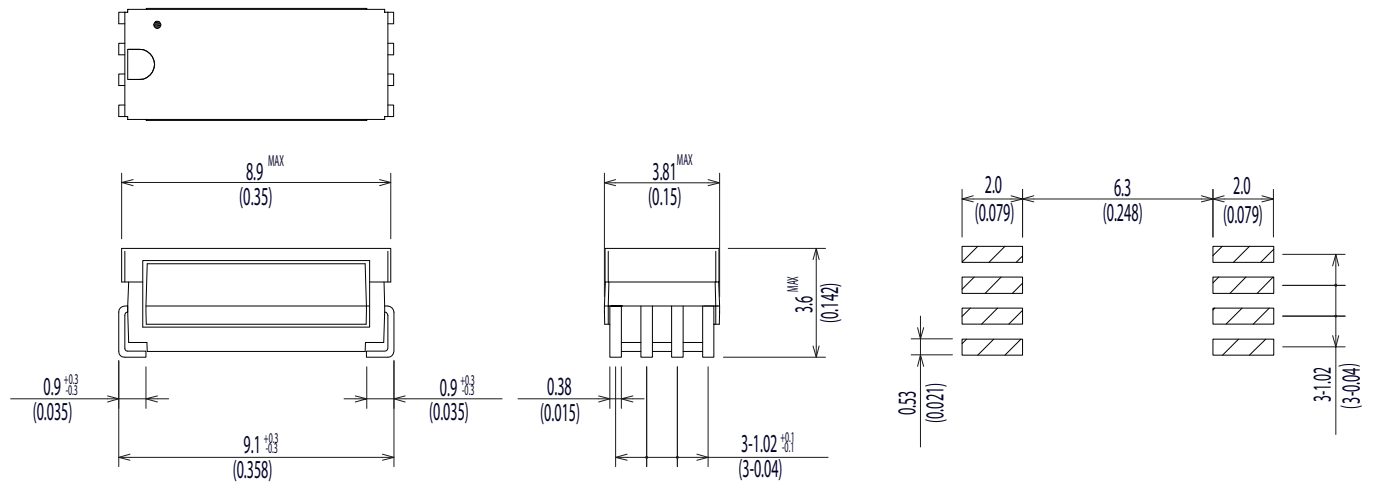
Dimensions All Dimensions are mm (inch)

Land Pattern Recommendation

9H-50J/9H-10J

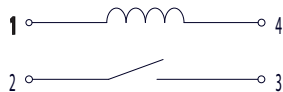


9H-54J/9H-14J



Schematic <Top View>

9H-50J/9H-10J



9H-54J/9H-14J

