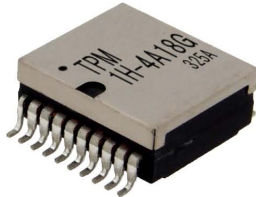


1H-4A Series

Surface Mount

PRODUCT DESCRIPTIONS



The 1H-4A series is configured in small surface mount package with 4 channels.

Inside, each channel has 50Ω coaxial shield and extend Superior RF performance from DC to 8GHz.

This 4FormA configuration will also provide you higher DC current capability.

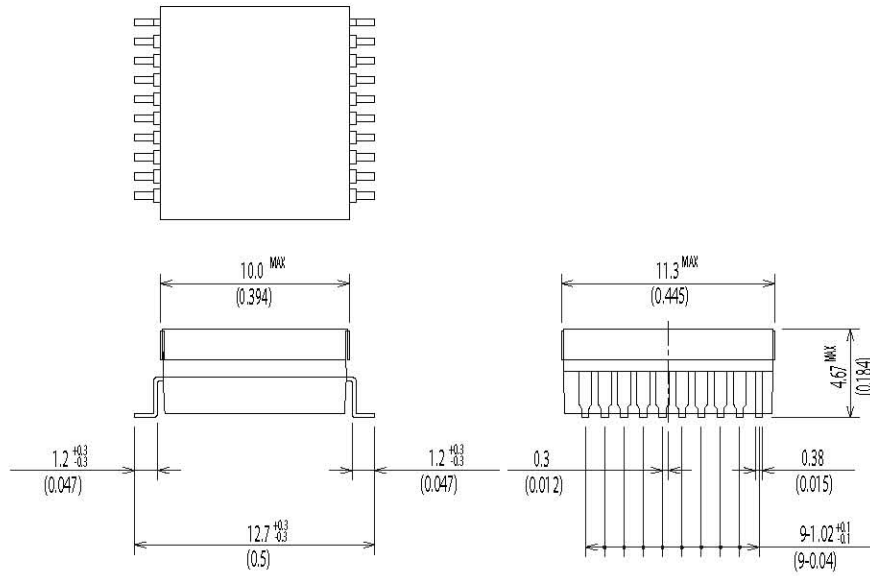
- Coil Voltage 5.0 and 12.0V
- Reflow Temperature EIA STD J-STD-020D
- RF Performance up to 8.0GHz
- Reliability 300 million over



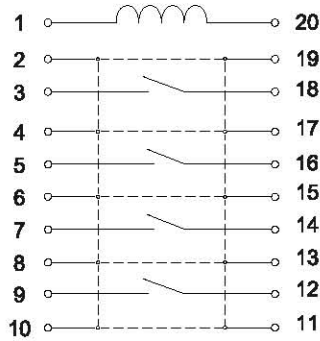
SPECIFICATIONS

1H-4A Series		1H-4A18G	1H-4A28G	
Parameters	Units	4 Form A		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	5.0	12.0	
Coil Resistance	Ω	110	550	±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	1000		Contacts to shield
	VDC Min	1000		Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	0.3		@ nominal coil voltage
Release Time	msec Max	0.2		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)



Schematic <Top View>



Land Pattern Recommendation

