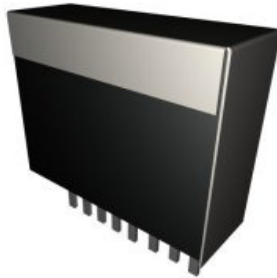


New

104E-1T Series

SIP

PRODUCT DESCRIPTIONS



The 104E-1T 1 Form C series was developed to meet market demands for "High Contact Rate", "Higher Reliability" and "small package size" in Form C contact form. Conventional Form C SIP reed relays achieve lower contact rate, lower reliability, or larger package size. Sanyu's 1A+1B technology achieves higher contact rate, 10W, with higher reliability. Sophisticated packaging technology also accommodates small mounting area, similar to the 104E family. Magnetic shield is a standard feature in this series. This miniature SIP series is suitable for ATE, measurement equipment, and telecommunication applications which require high density and higher reliability standards.

- 10W contact rate / 100VDC Switching
- 11.43mm x 3.81mm mounting area
- Standard Magnetic Shield

SPECIFICATIONS



104E-1T Series		104E-1T12N1	104E-1T22N1	SIP
Parameters	Units	1 Form C (1A, 1B)		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	5.0	12.0	
MAX Coil Voltage	VDC	5.5	13.2	@ 20°C
Coil Resistance	Ω	80	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
	Amps	0.8		Max DC/Peak AC resistance
Contact Rating	Watts	10		Max DC/Peak AC resistance
Life Expectancy	x10 ⁶ Cycle	300		@ 1V 10mA
Contact Resistance	mΩ	200		Max initial @ operate voltage
Contact Resistance Stability	mΩ	5.0		Max initial @ operate voltage
Relay Specifications				
Insulation Resistance	Ω-Min	10 ¹¹		@100V 20°C 65%RH
	Ω-Min	10 ¹¹		Between Contacts
	Ω-Min	10 ¹¹		Contacts to Shield
	Ω-Min	10 ¹¹		Contacts to Coil
Dielectric Strength (Static)	VDC-Min	200		Shield to Coil
	VDC-Min	500		Between Contacts
	VDC-Min	500		Contacts to Shield
	VDC-Min	500		Contacts to Coil
	VDC-Min	500		Shield to Coil
Operate Time (Including Bounce)	msec-Max	0.5		@normal coil voltage
Release Time	msec-Max	0.5		100 Hz square wave
				Diode suppression
Environmental Ratings				
Measurement Reference Conditions		Storage temp: -40°C to +85°C		
Temp: 15°C to 35°C		Operate temp: -20°C to +60°C		
Humidity: 25% to 75%RH		Operation Humidity: 25%RH to 75%RH		
Atmospheric Pressure: 860 to 1060hpa		Vibration: 20G's to 2000Hz		
		Shock: 50G's		

Ordering code:

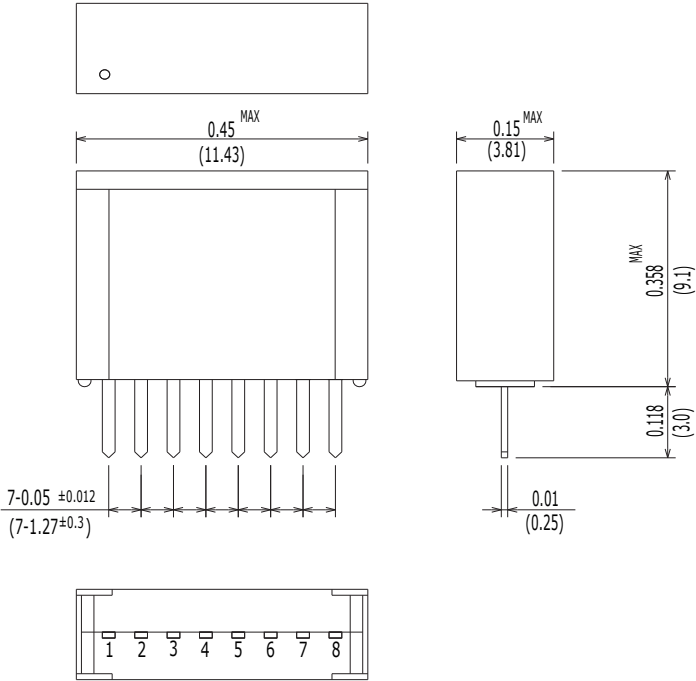
104E-1T□2N1

□=1 (5.0VDC), 2 (12.0VDC)

Dimensions All Dimensions are inches (mm)

Schematic <Top View>

104E-1T□2N1



104E-1T□2N1

