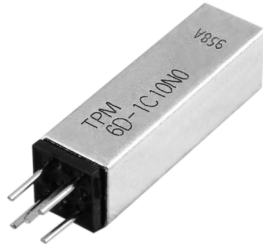


6D 1 Form C Series

PCB High Density

PRODUCT DESCRIPTIONS

In order to meet high density market demand, 1 Form C (SPDT) relay has been added to 6D series. Since SPDT contact form allows double the density in tree-circuit. Suitable for Load board applications and high density switching matrix.



- SPDT High Density
- 5V and 12V Coil available
- Required Mounting Space: 5.3mm x 5.3mm
- Magnetic Shield



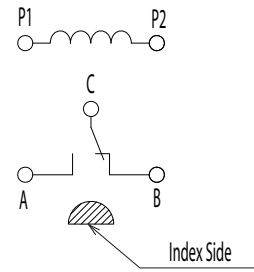
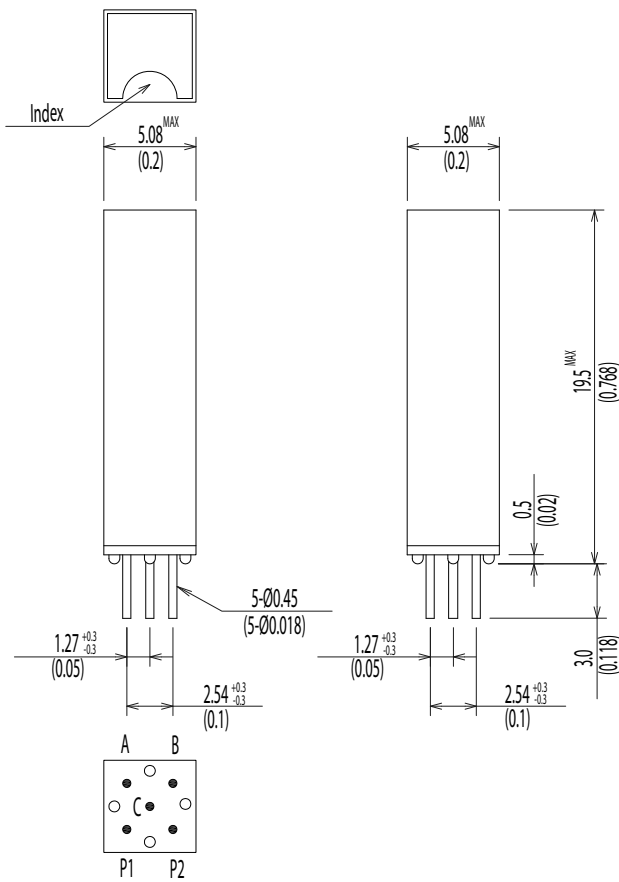
SPECIFICATIONS

6D 1 Form C Series		6D-1C10N0	6D-1C20N0	
Parameters	Units	1 Form C		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	5.0	12.0	
Coil Resistance	Ω	150	500	$\pm 10\%$ @ 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	0.2		Max DC/Peak AC resistance
Carry Current	Amps	0.5		Max DC/Peak AC resistance(@ 30°C)
Contact Rating	Watts	3		Max DC/Peak AC resistance
Life Expectancy	$\times 10^6$ Cycle	50		@ 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^{10}		Between contacts Contacts to coil @ 100V 25°C 65%RH
	Ω Min	10^{10}		
Dielectric Strength (Static)	VDC Min	200		Between contacts Contacts to coil
	VDC Min	500		
Operate Time (Including Bounce)	msec Max	1.0		@ nominal coil voltage 100 Hz square wave
Release Time	msec Max	2.0		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	

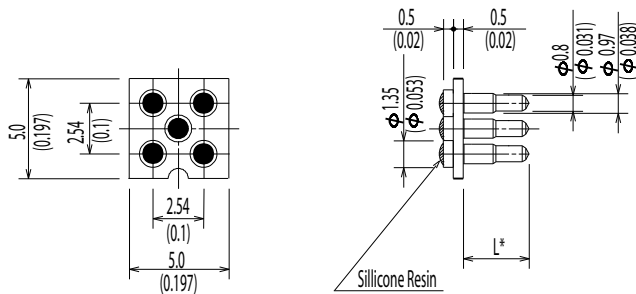
Dimensions All Dimensions are mm (inch)

Schematic <Top View>

6D-1C□0N0



Relay Socket Part Number: MFX-5-□.□



Ordering Code:

MFX-5-□.□

□.□ = 1.6(*3.3mm), 3.2(*4.0mm), 4.8(*5.3mm)