

54D Series

PCB Mount / EMF

PRODUCT DESCRIPTIONS



The 54D series is a relay specially designed to reduce thermal offset voltage generated by the relay. We especially provide the series to the low voltage environment and board measurement applications for VXI/PXI. We offer a variety of package styles such as standard and smaller sized ones to fit your application needs.

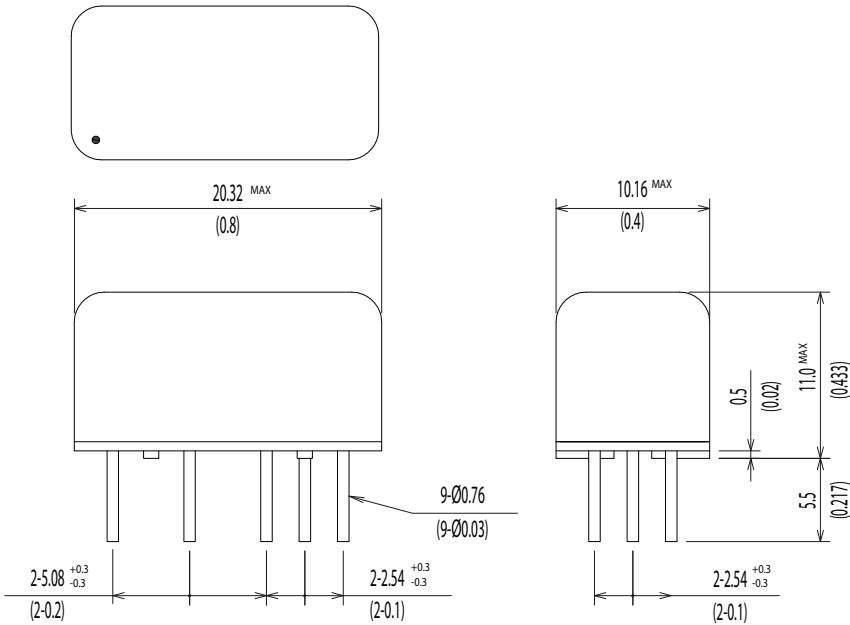
We also provide customization service for your specific requirement.

SPECIFICATIONS



54D Series		54D-2E21N2	
Parameters	Units	2 Form C (A+B)	Test Conditions
Coil Specifications			
Nominal Coil Voltage	VDC	12.0	
Coil Resistance	Ω	500	$\pm 10\%$ @ 20°C
Operate Voltage	VDC Max	8.8	@ 20°C
Release Voltage	VDC Min	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	$\times 10^6$ Cycle	1000	@ 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}	Between all isolated pins @ 100V 20°C 65%RH
Thermal EMF	μ V Max	50.0	Test after rated voltage applied for 15 minutes
Dielectric Strength (Static)	VDC Min	200	Between contacts
	VDC Min	200	Contacts to coil
	VDC Min	200	Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	1.0	@ nominal coil voltage 100 Hz square wave
Release Time	msec Max	1.0	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 +60°C Vibration: 20G's to 2000Hz Shock: 50G's	

Dimensions All Dimensions are mm (inch)



Schematic <Top View>

