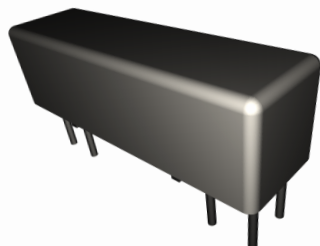


30D Series

PCB Mount Coaxial



PRODUCT DESCRIPTIONS

The 30D series offers a smaller package size compared with the 20D series, and comes 1 Form A, 2 Form A and 1 Form C configurations with 50Ω and 75Ω matched impedance. This series has strong support from VXI/PXI for high frequency signal controllers.



SPECIFICATIONS

30D Series		30D-1A□5N15		30D-1A□5N17		
Parameters	Units	1 Form A				Test Conditions
Coil Specifications						
Nominal Coil Voltage	VDC	5.0	12.0	5.0	12.0	
Coil Resistance	Ω	160	600	160	600	±10% @ 20°C
Operate Voltage	VDC Max	3.75	8.8	3.75	8.8	@ 20°C
Release Voltage	VDC Min	0.7	1.2	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
Contact Rating	Watts	10				Max DC/Peak AC resistance
Life Expectancy	x10 ⁶ Cycle	1000				@ 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	VDC Min	200				Between contacts
	VDC Min	200				Contacts to shield
	VDC Min	200				Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	0.35				@ nominal coil voltage
Release Time	msec Max	0.25				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			

Ordering Code:

- 30D-1A□5N15** (50Ω Coaxial shield)
□=1(5.0VDC), 2 (12.0VDC)
- 30D-1A□5N17** (75Ω Coaxial shield)
□=1(5.0VDC), 2 (12.0VDC)

Dimensions All Dimensions are inches (mm)

Schematic <Top View>

30D-1A □ 5N15/30D-1A □ 5N17

