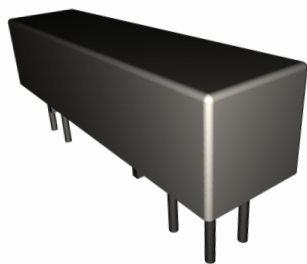


# 20D Coaxial Series

PCB Mount  
Coaxial



## PRODUCT DESCRIPTIONS

This impedance matched variant of the 20D Series is based on a coaxial design, providing superior RF characteristics in high frequency range.

If you are looking for a product not listed in our catalog, please contact our sales engineers for more details.

## SPECIFICATIONS



20D Coaxial Series		20D-1A□5N15		Coaxial
		20D-1A□5N17		
Parameters	Units	1 Form A		Test Conditions
<b>Coil Specifications</b>				
Nominal Coil Voltage	VDC	5.0	12.0	±10% @ 20°C 15°C to 35°C 15°C to 35°C
Coil Resistance	Ω	160	600	
Operate Voltage	VDC Max	3.2	7.8	
Release Voltage	VDC Min	0.7	1.2	
<b>Contact Ratings</b>				
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 <sup>6</sup> Cycle	1000		@ 1V 10mA
Contact Resistance	mΩ	150		Max initial @ operate voltage
Contact Resistance Stability	mΩ	5.0		Max initial @ operate voltage
<b>Relay Specifications</b>				
Insulation Resistance	Ω Min	10 <sup>11</sup>		Between all isolated pins @ 100V 20°C 40%RH
Dielectric Strength	VDC Min	200		Between contacts
	VDC Min	500		Contacts to shield
	VDC Min	500		Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	0.35		@ nominal coil voltage 100Hz square wave
Release Time	msec Max	0.25		Diode suppression
<b>Environmental Ratings</b>				
Measurement Reference Conditions		Storage temp: -40°C to +85°C		
Temp: 15°C to 35°C		Operate temp: -20°C to +80°C		
Humidity: 25% to 75%RH		Vibration: 20G's to 2000Hz		
Atmospheric Pressure: 860 to 1060hpa		Shock: 50G's		

### Ordering Code:

**20D-1A□5N15** (50 Ω Coaxial shield)

□=1 (5.0VDC), 2 (12.0VDC)

**20D-1A□5N17** (75 Ω Coaxial shield)

□=1 (5.0VDC), 2 (12.0VDC)

**Dimensions** All Dimensions are inches (mm)

**Schematic <Top View>**

**20D-1A□5N15/20D-1A□5N17**

