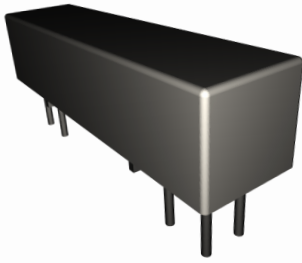


21D FormC Coaxial

PCB Mount
Coaxial



PRODUCT DESCRIPTIONS

This (Form C) relay is a 50 and 70Ω matched impedance version of the 21D Series, and strongly supported by VXI/PXI. A coaxial structure is added to this version, while maintaining the same high reliability and quality.

SPECIFICATIONS



21D FormC Coaxial		21D-1E□5N05		Coaxial
		21D-1E□5N07		
Parameters	Units	1 Form C		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	5.0	12.0	±10% @ 20°C 15°C to 35°C 15°C to 35°C
Coil Resistance	Ω	90	600	
Operate Voltage	VDC Max	3.3	8.3	
Release Voltage	VDC Min	0.7	1.2	
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 ¹⁰		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	1.0		@ nominal coil voltage 100Hz square wave
Release Time	msec Max	1.0		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 +80°C		
Humidity: 25% to 75%RH		Vibration: 20G's to 2000Hz		
Atmospheric Pressure: 860 to 1060hpa		Shock: 50G's		

Ordering Code:

21D-1E□5N05 (50 Ω Coaxial shield)

□=1 (5.0VDC), 2 (12.0VDC)

21D-1E□5N07 (75 Ω Coaxial shield)

□=1 (5.0VDC), 2 (12.0VDC)

Dimensions All Dimensions are inches (mm)

Schematic <Top View>

21D-1E□5N05 / 21D-1E□5N07

