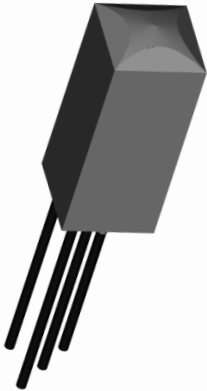


5D Series

PCB Ultra Density



PRODUCT DESCRIPTIONS

The 5D Series is an ultra high density relay, which has the smallest surface size of 4.35mm x 4.35mm in our product line. The size allows you to mount 500 pieces of relays on 8" board and 1000" pieces of relays on 12" board, meeting the demands of KGD process industries.

We also offer additional options such as single/double shield and relay sockets for easy maintenance. Please contact our sales engineers for more details.

SPECIFICATIONS



5D Series		5D-1A10N0	Ultra Density
Parameters	Units	1 Form A	Test Conditions
Coil Specifications			
Nominal Coil Voltage	VDC	5.0	
Coil Resistance	Ω	150	±10% @ 20°C
Operate Voltage	VDC Max	3.6	15°C to 35°C
Release Voltage	VDC Min	0.7	15°C to 35°C
Contact Ratings			
Switching Voltage	Volts	50	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
Contact Rating	Watts	5	Max DC/Peak AC resistance
Life Expectancy	x10 ⁶ Cycle	300	@ 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	150	Between contacts
	VDC Min	150	Contacts to coil
Operate Time (Including Bounce)	msec Max	0.3	@ nominal coil voltage 100Hz square wave
Release Time	msec Max	0.3	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 +60°C	
Humidity: 25% to 75%RH		Vibration: 20G's to 2000Hz	
Atmospheric Pressure: 860 to 1060hpa		Shock: 50G's	

Dimensions All Dimensions are inches (mm)

Schematic <Top View>

5D-1A10N0

