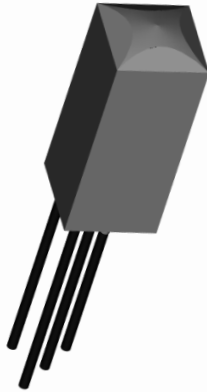


5D Series

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 meet the KGD demands of the IC industry by mounting 500 relays on an 8" board and 1000 relays on a 12" board.

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	
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	3.75	@ 20°C
Release Voltage	VDC Min	0.7	@ 20°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	0.75	Max DC/Peak AC resistance (@30°C)
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 65%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 100 Hz square wave
Release Time	msec Max	0.3	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 inches (mm)

Schematic <Top View>

5D-1A10N0

