

10D-1T Series

Surface Mount Form C



PRODUCT DESCRIPTIONS

The 10D-1T Series was developed in a single SPDT (1 Form C) package to satisfy the requirements of high frequency range. Supported by the exceptional technology, this series ensures to correspond to a wide range of applications from DC to AC, and is ideal for ATE and measurement instruments.

SPECIFICATIONS



10D-1T Series		10D-1T56A	10D-1T16A	
Parameters	Units	1 Form C		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	3.3	5.0	±10% @ 20°C @ 20°C @ 20°C
Coil Resistance	Ω	70	120	
Operate Voltage	VDC Max	2.8	3.75	
Release Voltage	VDC Min	0.5	0.7	
Contact Ratings				
Switching Voltage	Volts	30		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	3		Max DC/Peak AC resistance
Life Expectancy	x10 ⁶ Cycle	50		@ 1V 10mA
Contact Resistance	mΩ	100		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	200		Contacts to shield
	VDC Min	200		Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	1.5		@ nominal coil voltage 100 Hz square wave
Release Time	msec Max	2.0		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 Processing temp: 260°C max for 60sec. dwell time	

