

DESCRIPTION

The 922A relay is part of Coto Technology's 1" x 0.1" grid relay series. This relay is a general purpose relay that is pin-for-pin compatible with most competitor relays.

FEATURES

- Standard nominal voltages include 5, 12 and 24 volts
- Electromagnetic shield
- Multi-pole configurations
- RoHS Compliant 

APPLICATIONS

- Telecom
- Instrumentation
- General purpose electronics
- Industrial
- Process control

SPECIFICATIONS

Parameters	Conditions	Min	Typ	Max	Units
Contact Ratings					
Switching Voltage	Max DC/Peak AC Resistive			125	Volts
Switching Current	Max DC/Peak AC Resistive			0.25	Amps
Carry Current	Max DC/Peak AC Resistive			0.4	Amps
Contact Rating	Max DC/Peak AC Resistive			3	Watts
Life Expectancy	Signal Level 1.0V, 10mA		100		x 10 ⁶ Ops
Static Contact Resistance	50mV, 10mA			200	mOhms
Dynamic Contact Resistance	0.5V, 50mA at 100Hz, 1.5msec			200	mOhms
Contact Material			Ru		
Relay Specifications					
Insulation Resistance	Between all isolated pins at 100V, 25°C, 40%RH	10 ⁸			Ohms
Operate Time, including bounce	At Nominal Coil Voltage 10Hz Square Wave		1.5		msec
Release Time	Zener-Diode Suppression		2		msec
Enviromental Ratings					
Storage Temperature		-40		+105	°C
Operating Temperature		-38		+85	°C
Soldering Temperature	Applied to pins, 5 sec max.			+260	°C
Vibration Resistance (Survival)	10 Hz - 500 Hz			10	Gs
Shock Resistance (Survival)	11±1ms, 1/2 Sine Wave			30	Gs
Weight			5.1		grams

COIL SPECIFICATIONS

	Coil Voltage			Coil Resistance			Operate Voltage			Release Voltage			Input Power		
Units	Volts			Ohms			Volts			Volts			mW		
Conditions				+/- 10% (25°C)			Must operate by (25°C)			Must release by (25°C)					
Part #	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
922A05C1C		5		180	200	220			3.75	0.4				125	
922A06C1C		6		243	270	297			4.5	0.5				133	
922A12C1C		12		972	1080	1188			9	1				133	
922A24C1C		24		3888	4320	4752			18	2				133	
922A05C2C		5		90	100	110			3.75	0.4				250	
922A06C2C		6		131	145	160			4.5	0.5				248	
922A12C2C		12		567	630	693			9	1				229	
922A24C2C		24		2268	2520	2772			18	2				229	
922A05C3C		5		68	75	83			3.75	0.4				333	
922A06C3C		6		81	90	99			4.5	0.5				400	
922A12C3C		12		324	360	396			9	1				400	
922A24C3C		24		1188	1320	1452			18	2				436	
922A05C4C		5		45	50	55			3.75	0.4				500	
922A06C4C		6		63	70	77			4.5	0.5				514	
922A12C4C		12		252	280	308			9	1				514	
922A24C4C		24		1008	1120	1232			18	2				514	

ORDERING INFORMATION

A complete part number is represented by the digits below

		922A	XX	C	XX
Series					
Coil Voltage					Contact Form
05 = 5V					1C
06 = 6V					2C
12 = 12V					3C
24 = 24V					4C

MECHANICAL DIMENSIONS

Dimensions in inches [mm]

