

RoHS Compliant CTUs



E197851

#### Features

- Monostable
- Passes FCC part 68
- Ultra low profile, 4.90mm height
- UL/CUL certified

# Contact Data\*

Contact Arrangement	2C = DPDT, bifurcated contact		
Contact Rating	1A @ 30VDC, Resistive		
	.5A @ 125VAC, Resistive		

Contact Resistance	< 50 milliohms initial		
Contact Material	AgPd stationary contact, Au plated		
Maximum Switching Power	30W		
Maximum Switching Voltage	250VAC, 220VDC		
Maximum Switching Current	1A		

# Coil Data\*

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max		voltage	voltage			
3	3.9	64.3	2.25	0.30			
5	6.5	178	3.75	0.50		.14 2	1
6	7.8	257	4.50	0.60	.14		
9	11.7	579	6.75	0.90	2		
12	15.6	1028	9.00	1.20			
24	31.2	2880	18.00	2.40	.20		

### **General Data\***

Electrical Life @ rated load	200K cycles, average			
Mechanical Life	100M cycles, average			
Capacitance: between open contacts	0.4pF			
between coil & contacts	0.9pF			
between contact poles	0.2pF			
Dielectric Strength, Coil to Contact	1000V rms min. @ sea level initial			
Contact to Contact	1000V rms min. @ sea level initial			
Shock Resistance	500m/s <sup>2</sup> for 11 ms			
Vibration Resistance	3mm double amplitude 10~40Hz			
Terminal (Copper Alloy) Strength	5N			
Operating Temperature	-40°C to +85°C			
Storage Temperature	-40°C to +155°C			
Solderability	260°C for 5 s			
Weight	1.5g			

\* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

www.citrelay.com phone - 763.535.2339 fax - 763.535.2194



# **Ordering Information**



# Dimensions

Units = mm



# Schematics & PC Layouts

**Bottom Views** 





page 2