

C Series Reed Relays

High Density Surface Mount

C Series is a 1 Form A features excellent shielding and 5 GHz performance, with an optional version up to 7GHz RF. Compared to the M series, this high-density, low-height series offers a 10% reduction in size while maintaining the same excellent reliability. The C Series has a long product life that is widely accepted by the ATE, telecommunications and wireless markets, which require higher frequency and high density assembly.

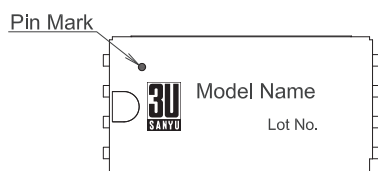


		CJ-E103 CJ-E103RF	CJ-E105 CJ-E105RF	Standard = 5 GHz RF = 7 GHz
Parameters	Units	1 Form A		Test Conditions
Coil Specifications				
Nominal Coil Voltage	VDC	3.3	5.0	±10% @ 20°C @ 20°C @ 20°C
Coil Resistance	Ω	100	200	
Operate Voltage	VCDC Max	2.8	3.75	
Release Voltage	VDC Min	0.5	0.7	
Contact Ratings				
Switching Voltage	Volts	100		Max DC/Peak AC resistance
Switching Current	Ampls	0.5		Max DC/Peak AC resistance
Carry Currentg	Amps	1.0		Max DC/Peak AC resistance (@ 30°C)
Contact Rating	Watts	10		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 ¹¹		Between all isolated pins @ 100V 20°C 65%RH
Dielectric Strength (Static)	VDC Min	200		Between contacts
	VDC Min	250		Contacts to shield
	VDC Min	250		Contacts/shield to coil
Operate Time (Including Bounce)	msec Max	0.3		@ nominal coil voltage
Release Time	msec Max	0.05		100 Hz square wave 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 +80°C Vibration: 20G's to 2000Hz Shock: 50G's Processing temp: 260°C max for 60 sec. dwell time	

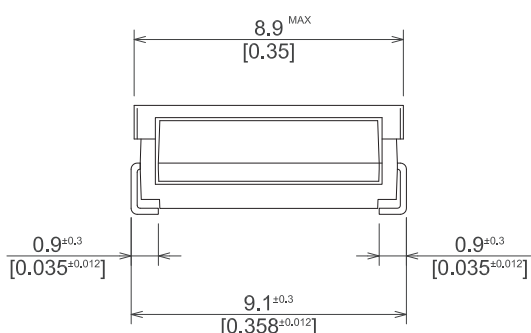
RoHS

C Series Reed Relays

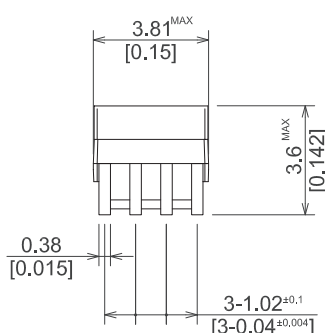
Dimensions All Dimensions are mm (inch)



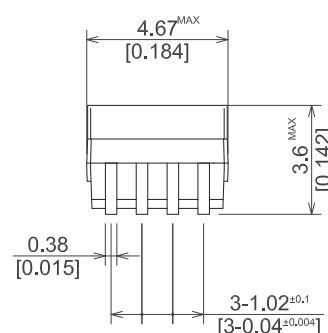
CJ-E1XX/ CJ-E1XXRF



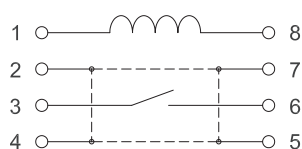
CJ-E1XX



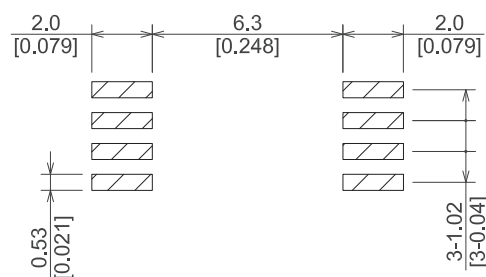
CJ-E1XXRF



SCHEMATIC <TOP VIEW>

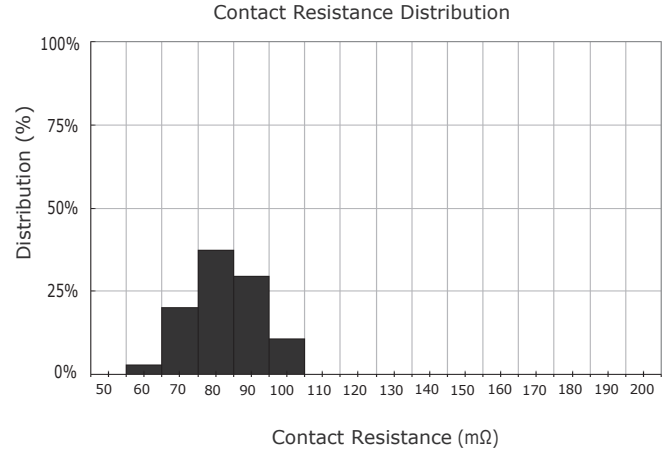
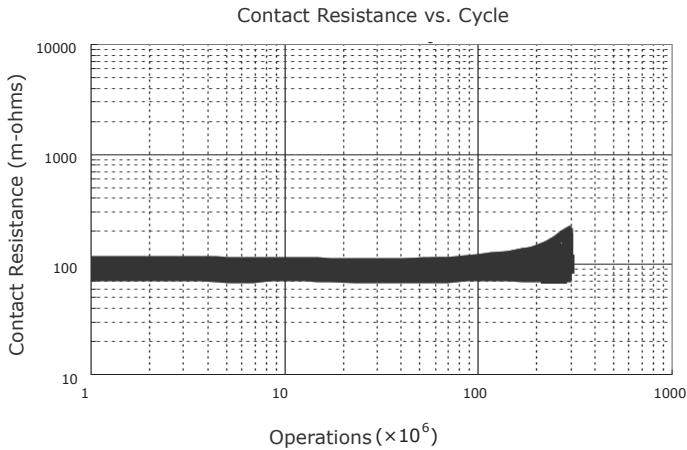


MOUNTING PAD <TOP VIEW>

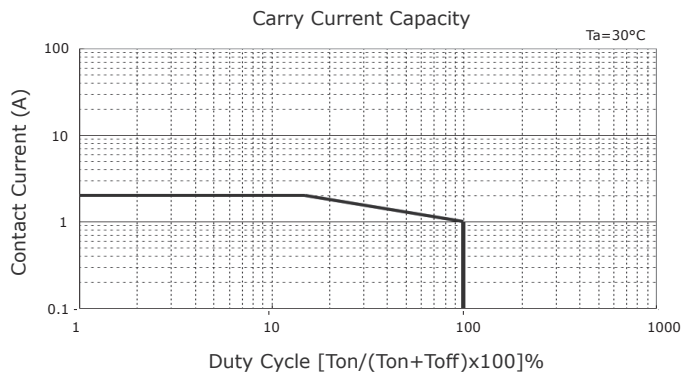


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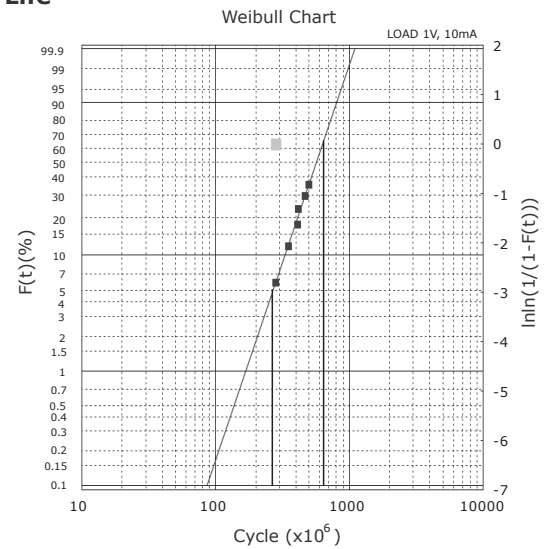
Contact Resistance



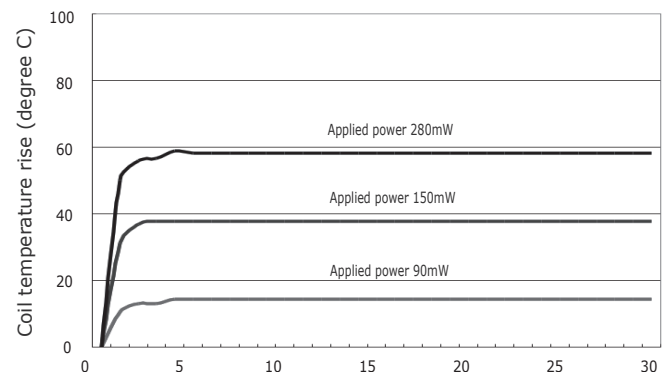
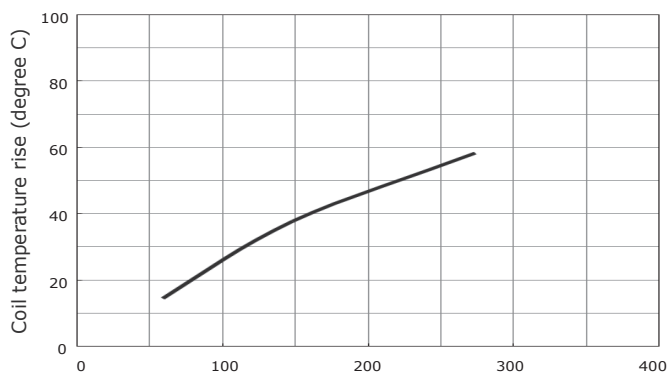
Carry Current



Life

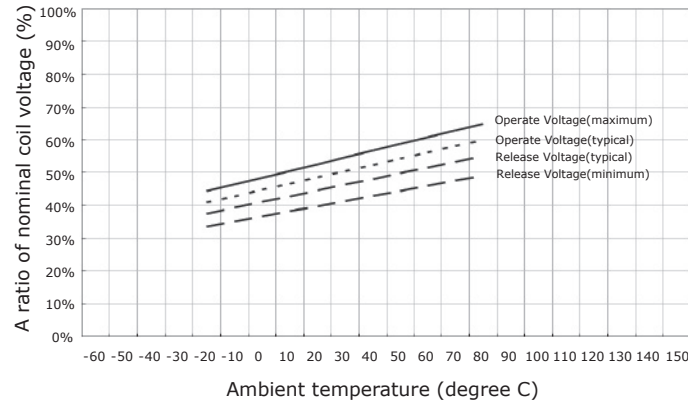


Coil Temperature Rise

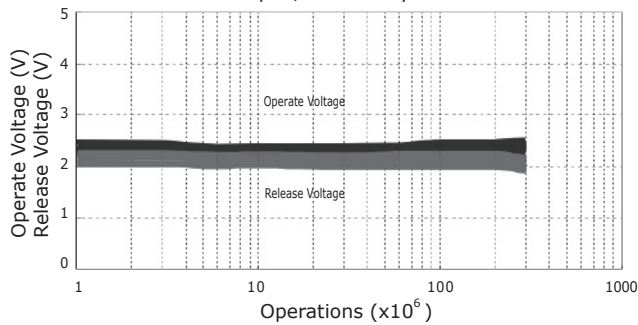


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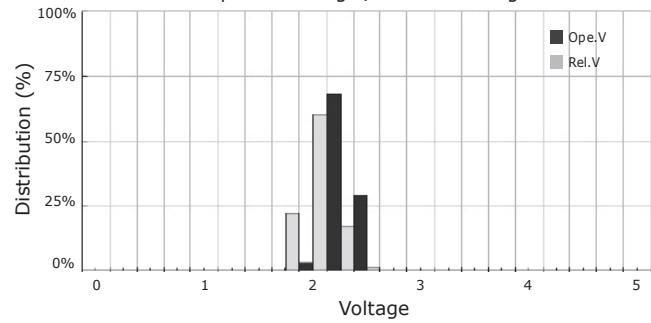
Operate and Release voltage vs. ambient temperature



OpeV/RelV vs. Cycle

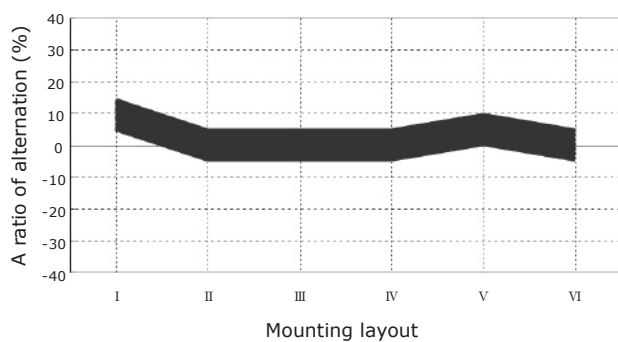


Operate Voltage / Release Voltage

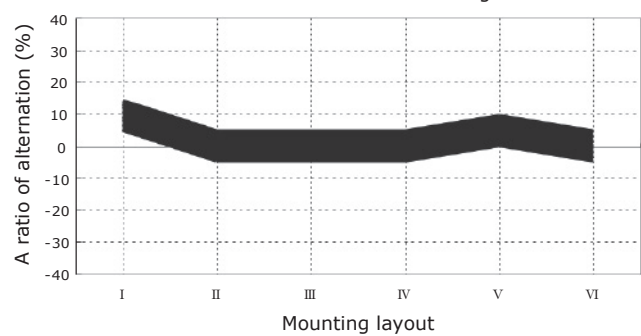


Magnetic Interference

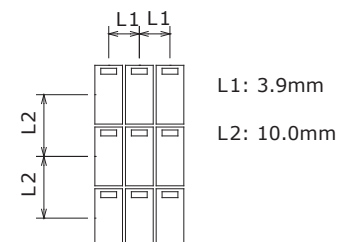
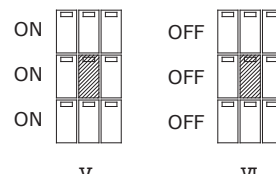
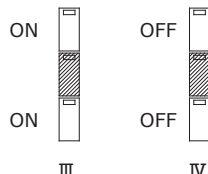
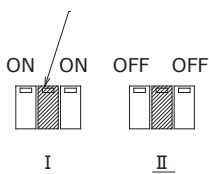
Alternation of operate voltage



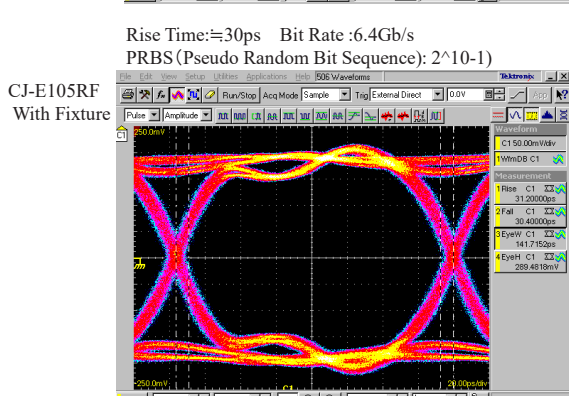
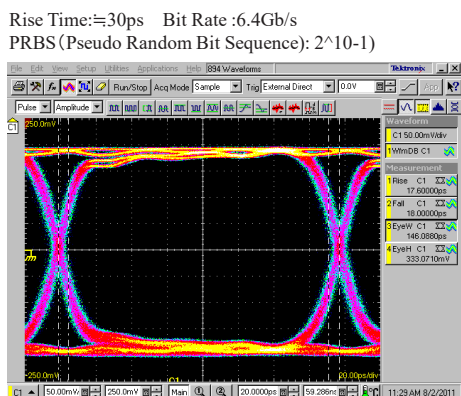
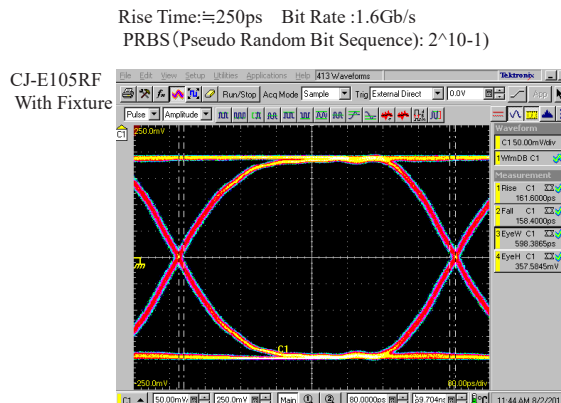
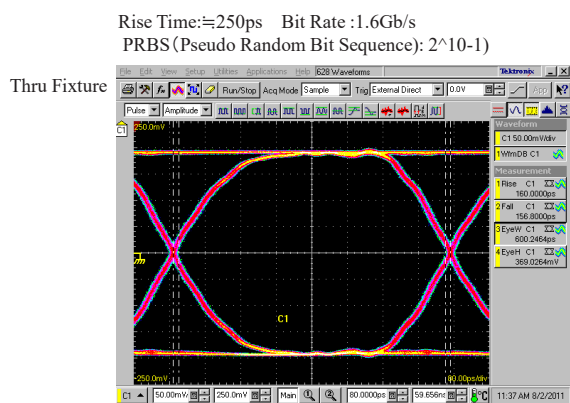
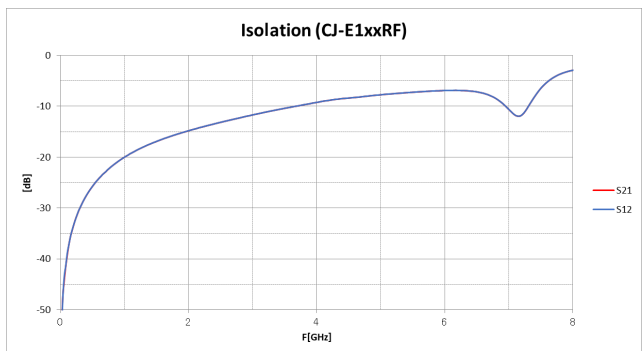
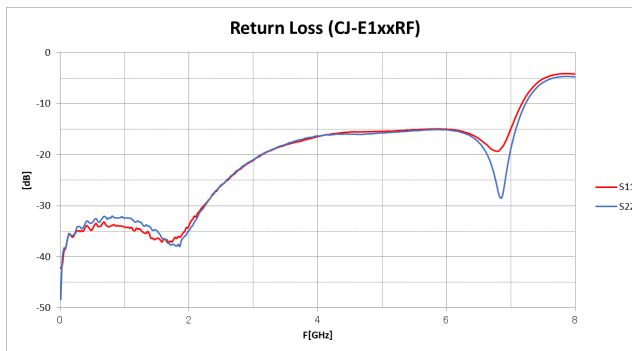
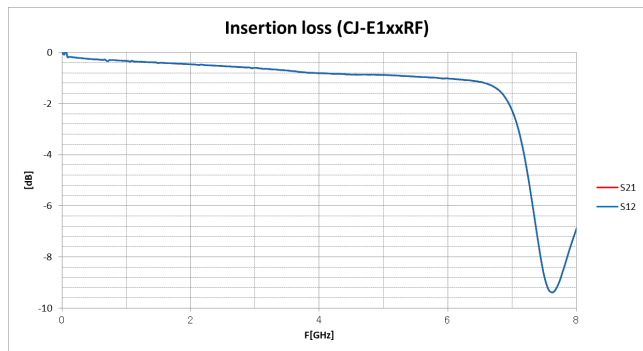
Alternation of release voltage



Device under test

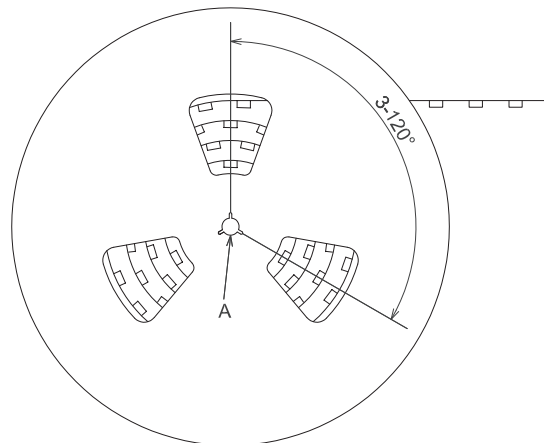
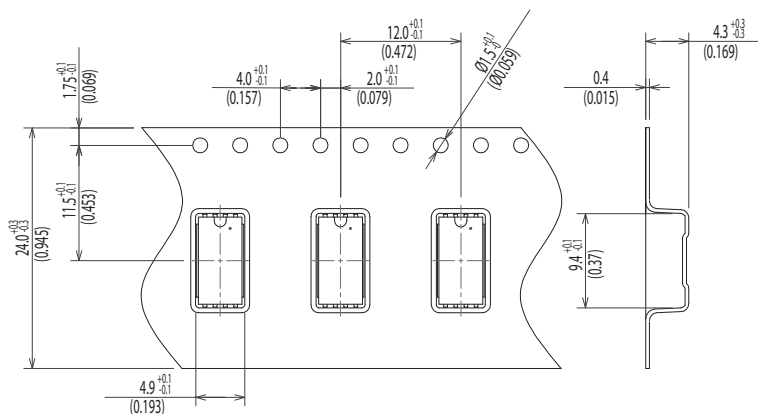


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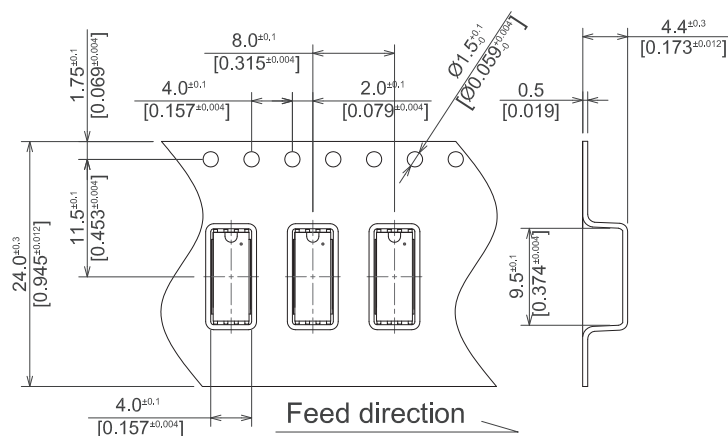


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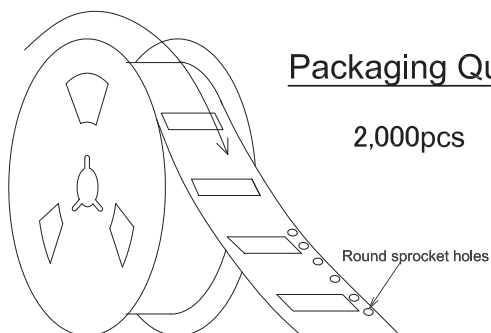
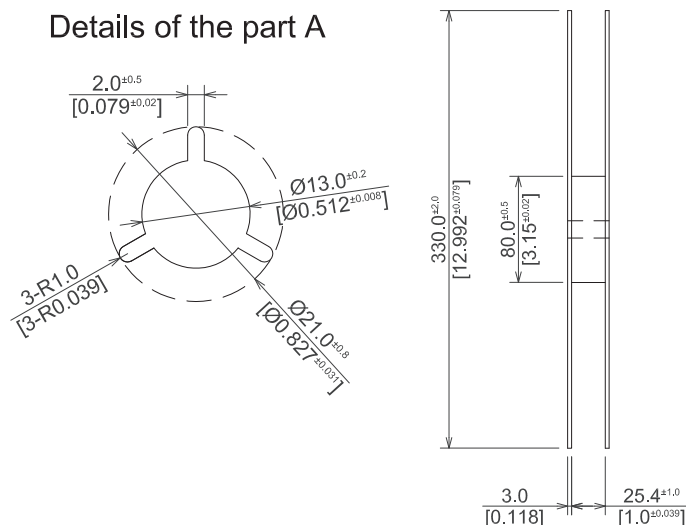
CJ-E1XX



CJ-E1XXRF



Details of the part A



Packaging Quantity

2,000pcs

All Dimensions are measured in millimeters[inch]
Packing conforms to EIA standard EIA-481-2 or EIA-481-3.