CHZ02 Series 16A MINIATURE POWER RELAY

FEATURES

- Outline dimension (29.2mm×12.8mm×20.9mm)
- 1 Form A (SPST) or 1 Form C (SPDT)contact arrangement
- Designed to meet cULus,TUV,CQC requirements
- 5,000VAC dielectric strength between coil and contact
- Sensitive and stangard coils available
- Class F type
- RoHS compliance
- REACH SvHC compliance
- Halogen-Free type available Glow
- Glow wire type

File NO. E341422

File NO. R50174892

File NO. CQC10002043606

APPLICATION

Appliances, Power Supplier,Industrial Control

COIL PARAMETER

Coil voltage	5-48VDC	
Coil power	Sensitive	540mW
	Standard	720mW

COIL DATA @23℃

CHZ-LA2/LC2(540mW),Sensitive				
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)
5	103.1	48.5	3.75	0.25
6	88.2	68	4.50	0.30
9	58.1	155	6.75	0.45
12	44.4	270	9.00	0.6
18	30.0	600	13.50	0.90
24	21.8	1,100	18.00	1.20
48	10.9	4,400	36.00	2.40

CHZ-DA2/DC2(720mW),Standard				
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)
5	138.9	36	3.75	0.25
6	123.7	48.5	4.50	0.30
9	78.3	115	6.75	0.45
12	60.0	200	9.00	0.6
18	40.0	450	13.50	0.90
24	29.3	820	18.00	1.20
48	14.5	3,300	36.00	2.40

CONTACT DATA

Contact arrangement	1 Form A (SPST) / 1 Form C(SPDT)
Contact material	Ag Alloy
Initial contact resistance	100mΩ max.@6VDC,1A
Max. switching voltage	250VAC/30V DC
Max. switching current	16A
Max. switching power	4,000VA/480W
Contact rating (Resistive Load)	16A(N.O)/8A(N.C)250VAC
	16A(N.O)/8A(N.C)30VDC
Mechanical endurance	10,000,000 ops Min.(no load)
Electrical endurance	100,000 ops Min.(rated load)
Minimum load (reference value)	100mA@5VDC

CHARACTERISTICS

Operate voltage	75% of nominal voltage or less	
Release voltage	5% of nominal voltage or more	
Operate time (At nominal voltage)		20ms max.
Release time(At nominal voltage)		8ms max.
Insulation resistance		1,000 MΩ min. (at 500 VDC)
Dielectric strength	Between coil and co	5,000 VAC, 50/60 Hz for 1 min
	Between open conta	1,000 VAC, 50/60 Hz for 1 min
Surge voltage between coil and contacts		10,000V(1.2/50μs)
Vibration resistance	Destruction	10 to 55 Hz.,1.5mm double amplitude
	Malfunction	10 to 55 Hz.,1.5mm double amplitude
Shock resistance	Destruction	1,000 m/s^2(100G approximately)
	Malfunction	100 m/s^2(10G approximately)
Ambient temperature		Operating: -40~+85℃ (without icing or condensation)
Ambient humidity		Operating: 20% to 85% RH
Terminal		PCB terminals
Enclosure (94V-0 Flammability Ratings)		V: Vented(Flux-tight, RTII)
		S: Sealed(Wash-tight, RTIII)
Weight		Approx. 13g

ORDERING INFORMATION

	CHZ02	-S	-1	12	L	A	2	F	000

1.Product Family

2.Enclosure

V=Vented(Flux-tight, RTII) S=Sealed(Wash-tight, RTIII)

3.Number of Poles

1=1 pole

4.Rated Coil Voltage

05,06,09,12,18,24,48VDC

5.Coil Power

D = Standard(720mW) L = Sensitive(540mW)

6.Contact Arrangement

A = Form A(DPST) C = Form A(DPDT)

7.Conact Material

无 & 2=$AgSnO_2$

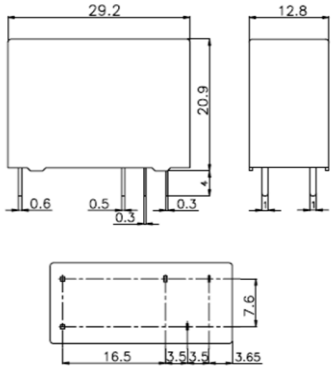
8.Insulation System

Blank & F = Class(155℃)

9.Additional numbers and /or letters

000-999，AAA-ZZZ，aaa-zzz or blank，which does not represent electrical changes, only for specific customer requirements

OUTLINE DIMENSION

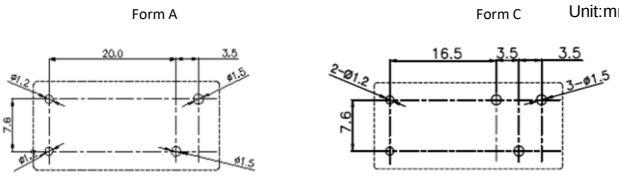


WIRING DIAGRAMS (BOTTOM VIEWS)

Unit:mm

PC BOARD LAYOUTS (BOTTOM VIEWS)

Unit:mm



Remarks:

1)The reference tolerance in outline dimen

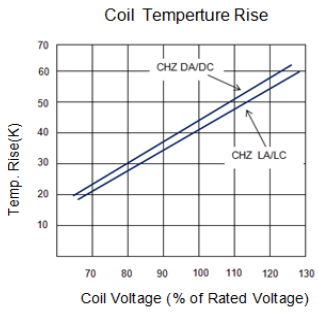
outline dimension ≤1mm, reference tolerance is ±

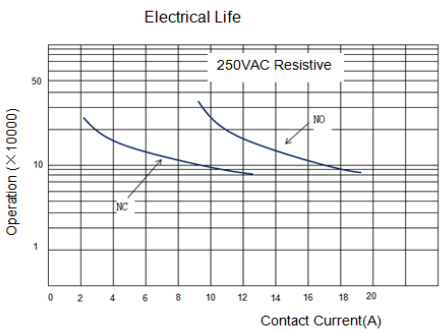
outline dimension > 1mm and ≤5mm, reference tolerance

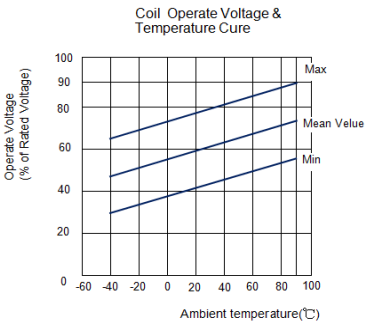
outline dimension > 5mm, reference tolerance is ±

2)The reference tolerance for PC Board layout is ±

Reference Date

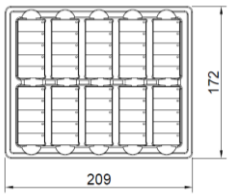






Packaging Figure

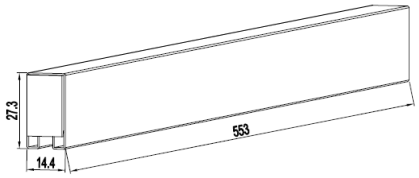
1.BOX



100 pcs inside a box

1000pcs inside a carton

2.TUBE



18 pcs inside a tube

1000 pcs inside a carton

Disclaimer:

The specification is for reference only,if you need more detail information,please contact Churod. We could not evaluate all the performance and all parameters for every possible application.And the user should be in a right position to choose the suitable product for their own application.If there is any new need,please contact Churod for the technical service.