

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Materials

- 1. Insulator, ABS, black
- 2. Pin, C3604 brass, 2 µm nickel plated
- 3. Shell, C3604 brass, 2 µm nickel plated
- 4. Spring contact, C5191 phosphor bronze, 2 µm nickel plated

Electrical requirements

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 30 m Ω or less

Rated voltage: 36 Vdc Rated current: 7 A

Mechanical requirements

Insertion force: 0.3-3 kgf Withdrawal force: 0.3-3 kgf

Durability: 5000 mating cycles while maintaining; 0.3 kgf min. insertion force, 0.2 kgf min. withdrawal force and a less than $100 \text{ m}\Omega$ contact resistance.

Environmental requirements

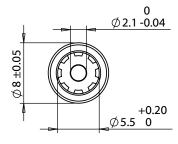
Damp test: 40 °C, RH 90-100% for 96 hrs. Cool to ambient and recover for 2 hours. Maintain dielectric strength of 500 Vac for 1 min, insulation resistance of 50 MΩ @ 500 Vdc minimum and a contact resistance of 100 m Ω or less.

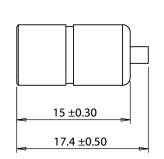
Dry test: 70 °C, RH 70-85% for 96 hrs. Cool to ambient and recover for 2 hours. Maintain insulation resistance of 50 $M\Omega$ @ 500 Vdc minimum and a contact resistance of 100 $m\Omega$ or less.

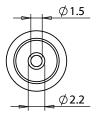
Salt spray test: 35 °C, RH 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 80 m Ω .

Operating range

-25 to 70 °C, relative humidity of 85% or less

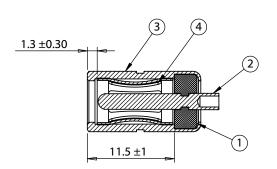








Notes:



Revision:	Date:	Description:	Prepared: 2016,04,19
Α	9/2/2009	Initial release	GL 14:05:01 -07'00'
A1	11/9/2012	Added test data	Verified: LA Display signed by LA Distributions of confidence Display signed by LA Distributions of confidence Display signed by LA Distributions of confidence Display signed by LA Display signed
A2	10/29/2015	Modified electrical requirements	Dimensions are ir millimeters.
A3	4/19/2016	Modified tolerances	Tolerances: X: + 0.5 mm
			X.X: ± 0.3 mm X.XX: ± 0.05 mm

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GL	2016.04.19 14:05:01 -07'00'			
Verified LA	Digitally signed by LA Disc cont.A. or freeziller, our linguishings, enablings.000 (firesilley.com, cities). Date: 2016-01-19 1-452-20 -0707			
Dimensions are in millimeters.				

ed: District (A, ord restille), Out-Organization, out-Organization	Function test: no open, no short circuit, no intermittent
ensions are in	
neters.	Description:
ances: ± 0.5 mm ± 0.3 mm	Connector, dc jack, 5.5x2.1xL17.4 mm, molding style

TENSIL	LITY
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tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com

Size: Part number: 50-00025

Scale: 4:1 Sheet 1 of 1

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RoHS and REACH compliant