



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!



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Miniature 25 Amps • 1PDT To MIL-PRF-6106

SPECIFICATIONS

GENERAL

Contact Arrangement1PDT (1 Form C)
Weight.....1.6 oz approx.
 Designed to meet the requirements of MIL-PRF-6106

PERFORMANCE

Contact Rating (Note 1): (Case Grounded)

Resistive25 Amps @ 28 VDC or
 115/208V 400 Hz
 (Case Grounded)

Inductive15 Amps @ 115/208V 400 Hz
 (Case Grounded)
 10 Amps @ 28 VDC
 (Case Grounded)

Motor.....10 Amps @ 28 VDC or
 115/208V 400 Hz
 (Case Grounded)

Lamp5 Amps @ 28 VDC or
 115/208V 400 Hz
 (Case Grounded)

Life50,000 operations minimum @ rated
 resistive load, 125°C

Pull In Power500 mw approx.

Operate/Release Time: **DC Coil** **AC Coil**
 15 ms max 50 ms max
 Excluding bounce time at nominal coil voltage

Contact Bounce Time.....1 ms max
 @ rated contact load, 28 VDC

Contact Voltage Drop:

Before Life150 mv max @ 25 Amps
 and 6 VDC

After Life175 mv max @ 25 Amps
 and 6 VDC

ENVIRONMENTAL

Temperature Range-70°C to +125°C

Vibration (Note 2).....0.12" DA 10 - 70 Hz
 30 G's 70 - 3,000 Hz

Shock (Operating)(Note 2)200 G's 6 ms

ELECTRICAL CHARACTERISTICS

Duty CycleContinuous

Insulation Resistance100 megohms
 @ 500V 25°C

Dielectric Strength:

Sea Level:

Contact to Case1,250 VRMS

Contact to Coil1,250 VRMS

Coil to Case1,000 VRMS

Across Open Contacts1,250 VRMS

80,000 Feet:

All Points350 VRMS

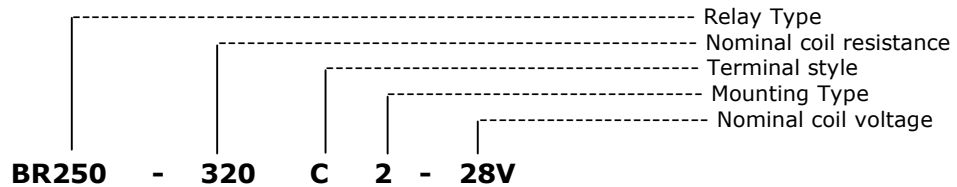
MIL-PRF-6106/19 QUALIFIED

Notes

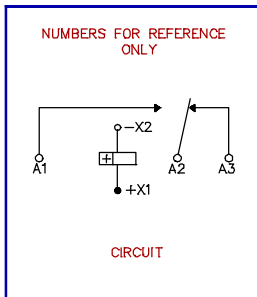
- For other ratings consult the factory.
- For applications requiring higher shock and vibration, consult the factory.
- AC coil line frequency 50 to 400 Hz.

COIL DATA

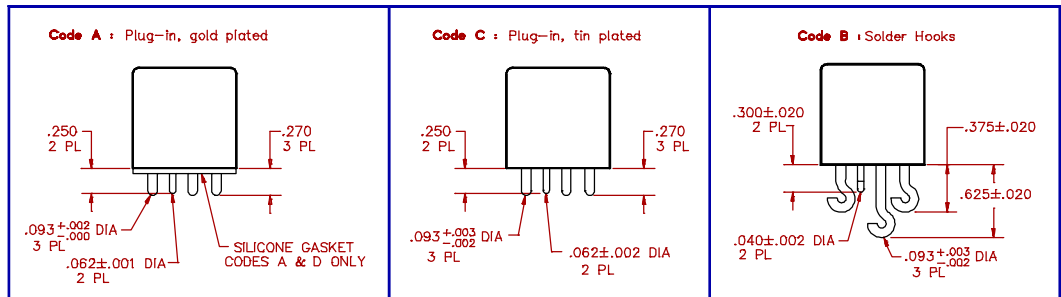
MODEL BR250 PART NUMBER	BR250-20()-6V	BR250-80()-12V	BR250-320()-28V	BR250-1000()-48V	BR250AC-()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC	5 - 30 VAC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	80 OHMS	320 OHMS	1000 OHMS	I = 0.04 AMPS



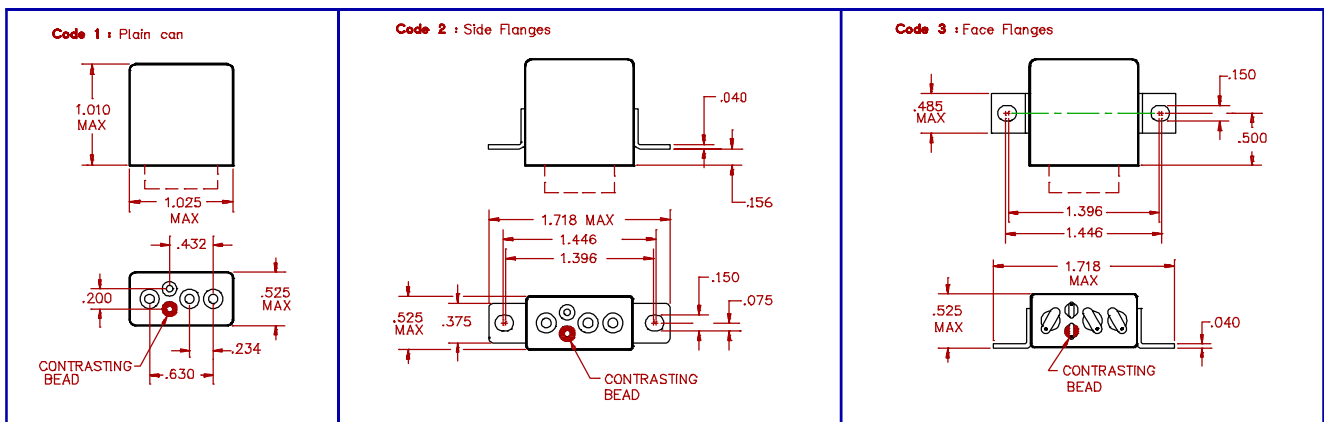
SCHEMATIC TERMINAL VIEW



TERMINAL STYLES



MOUNTING CODES



GENERAL NOTES

- Unless otherwise specified, all tests made at nominal coil voltages, @ 25°C.
- For special coil variations, switching configurations, terminals styles and mounting types, consult the factory.
- Unless otherwise specified, tolerances on decimal dimensions are ± .010".
- Specifications contained herein are subject to change without notice.



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