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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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

SPECIFICATIONS

GENERAL

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

PERFORMANCE

Contact Rating (Note 1): (Case Grounded)

Resistive..... 25 Amps @ 28 VDC or 115/208V 400 Hz (Case Grounded)

Inductive .....15 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)

Lamp .....5 Amps @ 28 VDC or 115/208V 400 Hz (Case Grounded)

Life .....50,000 operations minimum @ rated resistive load, 125°C
Pull In Power .....500 mw approx.

Operate/Release Time: **DC Coil** 15 ms max **AC Coil** 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 Life.....150 mv max @ 25 Amps and 6 VDC
After Life.....175 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 Cycle.....Continuous
Insulation Resistance.....100 megohms @ 500V 25°C
Dielectric Strength:
Sea Level:
Contact to Case .....1,250 VRMS
Contact to Coil ..... 1,250 VRMS
Coil to Case .....1,000 VRMS
Across Open Contacts .....1,250 VRMS
80,000 Feet:
All Points .....350 VRMS

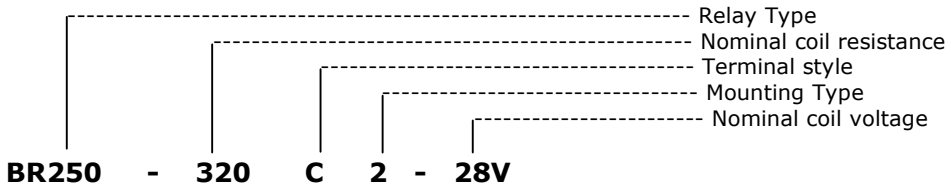
MIL-PRF-6106/19 QUALIFIED

Notes

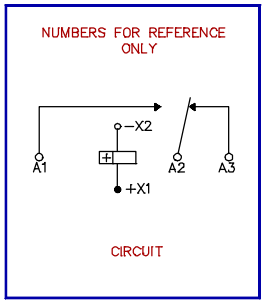
1. For other ratings consult the factory.
2. For applications requiring higher shock and vibration, consult the factory.
3. AC coil line frequency 50 to 400 Hz.

COIL DATA

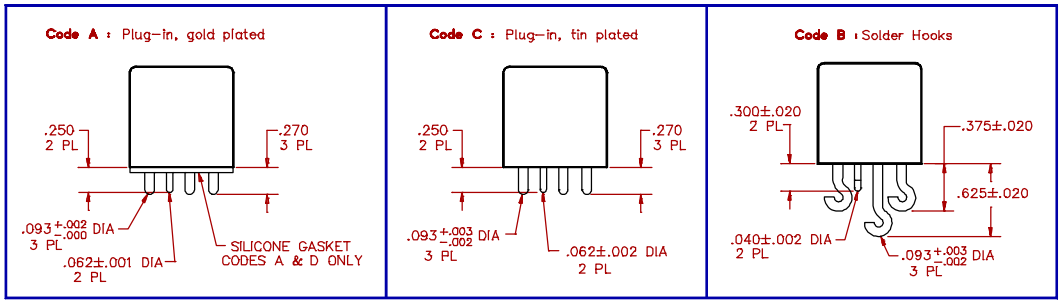
MODEL BR250 PART NUMBER	BR250-20()()-6V	BR250-80()()-12V	BR250-320()()-28V	BR250-1000()()-48V	BR250AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP 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



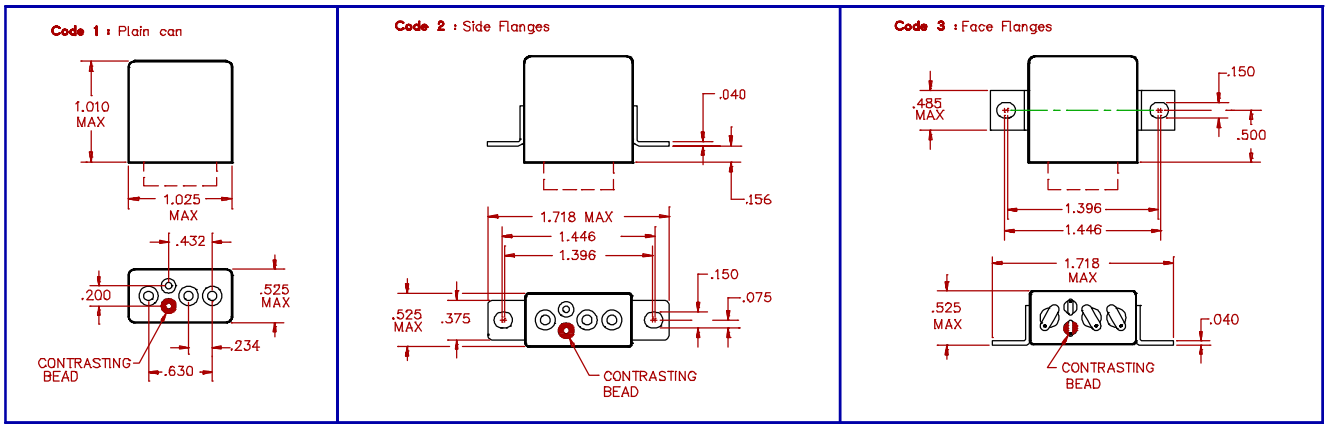
SCHEMATIC
TERMINAL VIEW



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.

Microsemi Corporate Headquarters
One Enterprise, Aliso Viejo,
CA 92656 USA

Within the USA: +1 (800) 713-4113
Outside the USA: +1 (949) 380-6100
Sales: +1 (949) 380-6136
Fax: +1 (949) 215-4996

E-mail: sales.support@microsemi.com

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense & security, aerospace and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; security technologies and scalable anti-tamper products; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,400 employees globally. Learn more at **www.microsemi.com**.

BR250-05/04.15