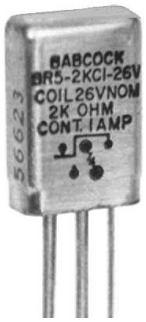


Transistor Can
SPDT
Dry Circuit to 1 Amp

SPECIFICATIONS

GENERAL

Contact Arrangement .....SPDT (1 Form C)
Weight.....0.1 oz approx.
Designed to meet the requirements of MIL-PRF-39016.

PERFORMANCE

Contact Rating (Note 1)

Resistive .....1 Amp @ 28 VDC
Low Level .....10-50 µA @ 10-50 mv DC or peak AC (Note 4)

Life .....100,000 operations minimum @ 1 amp load, 125°C

Pull In Power .....100 mw approx.

Operate/Release Time .....4 ms max, excluding bounce time at nominal coil voltage

Contact Bounce Time.....2 ms max @ 1 Amp 28 VDC contact load

Contact Resistance

Before Life.....0.050 Ohms max @ 1 Amp and 6 VDC
After Life.....0.100 Ohms max @ 1 Amp and 6 VDC

ENVIRONMENTAL

Temperature Range .....-65°C to +125°C
Vibration (Note 2).....0.4" DA 10 - 38 Hz, 20 G's 38 - 2,000 Hz
Shock (Operating) (Note 2) .....50 G's 11 ms

ELECTRICAL CHARACTERISTICS

Duty Cycle.....Continuous
Insulation Resistance
10,000 megohms @ 500V 25°C
1,000 megohms @ 500V 125°C

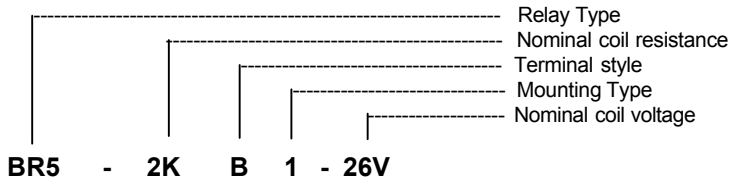
Dielectric Strength:
Sea Level:
Contact to Case .....500 VRMS
Contact to Coil .....500 VRMS
Coil to Case .....500 VRMS
Across Open Contacts .....300 VRMS
70,000 Feet
All points.....250 VRMS

Notes

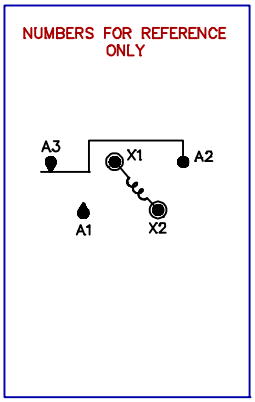
1. For case grounded loads and other ratings, consult the factory.
2. For applications requiring other shock and vibration levels, consult the factory.
3. For other ratings consult the factory.
4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

COIL DATA

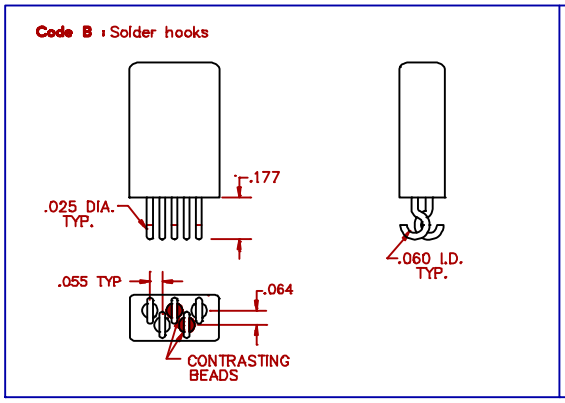
MODEL BR5 PART NUMBER	BR5-500()()-12V	BR5-1K()()-18V	BR5-2K()()-26V
NOMINAL COIL VOLTAGE	12 VDC	18 VDC	26 VDC
MAXIMUM COIL VOLTAGE	14.8 VDC	22 VDC	32 VDC
PULL IN VOLTAGE (MAX @ +125°C)	9.5 VDC	14 VDC	18 VDC
PULL IN VOLTAGE (MAX)	6.7 VDC	9.5 VDC	13 VDC
DROP OUT VOLTAGE (MIN)	0.67 VDC	0.95 VDC	1.3 VDC
COIL RESISTANCE ± 10% @ 25°C	500 OHMS	1K OHMS	2K OHMS

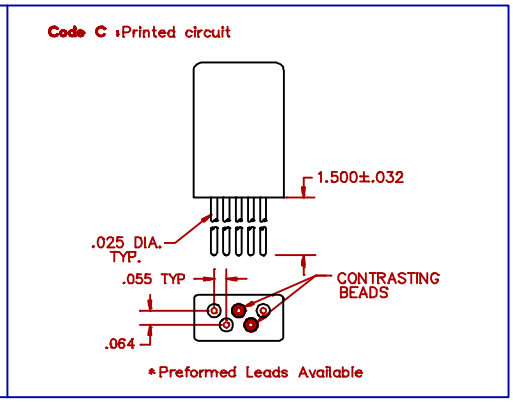


SCHEMATIC
TERMINAL VIEW

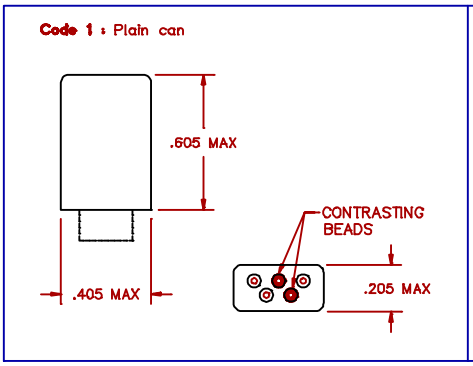


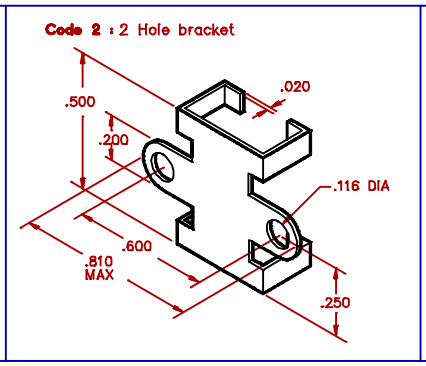
TERMINAL STYLES

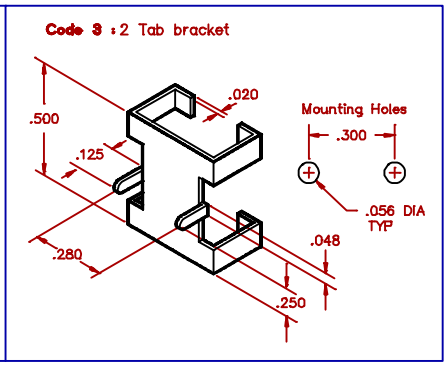




MOUNTING CODES







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

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