





Main Feature

- ## Application

Contact Rating

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
BRD.....12A at 250VAC
15A at 125VAC
TV-5(SPST-NO)
- Max. Allowable Current
BRD.....15A
- Max. Allowable Voltage
BRD.....AC250V
- Max. Allowable Power Force
BRD.....3,000VA
- Contact Material..... Ag Alloy
- Contact Form..... SPDT & SPST

Performance (at Initial Value)

- Contact Resistance..... $\leq 50\text{m}\Omega$ at 6VDC/1A
- Operate Time.....10ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:
 - Between Coil & Contact.....1,500VAC at 50/60 Hz
for one minute
 - Between Contacts.....1,000VAC at 50/60 Hz
for one minute
- Surge Resistance.....3,000V (between Coil
& Contact 1.2x50 μs)
- Insulation Resistance.....1,000 Mega Ω Min. at
500VDC

- Max. On/Off Switching:
 - Electrical.....30 Ops per minute
 - Mechanical.....300 Ops per minute
- Temperature Range..... - 40~85℃
- Humidity Range.....5%~85% RH
- Coil Temperature Rise..... 35℃ Maximum
- Vibration:
 - Endurance.....10 to 55 Hz dual
amplitude width 1.5mm
 - Error Operation.....10 to 55 Hz dual
amplitude width 1.5mm
- Shock:
 - Endurance..... 981m/s² Min
 - Error Operation..... 98.1m/s² Min
- Life Expectancy:
 - Electrical.....10⁵ Operations at
Rated Resistive
load
 - Mechanical.....10⁷ Operations at
No load condition
- Weight.....about 9g

Safety Standard & Its File Number

- UL.....E333244
- TUV.....R50183595
- COC.....COC10002054413

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 8\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
BRD-L BRD-LF BRD-LM BRD-LMF	3	120	25	Abt. 0.36	75% Maximum	10% Minimum	130%
	5	71.4	70				
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1,600				
	48	7.5	6,400				

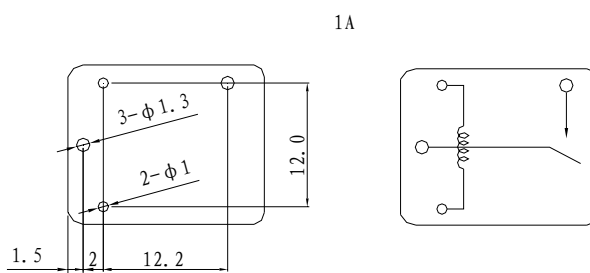
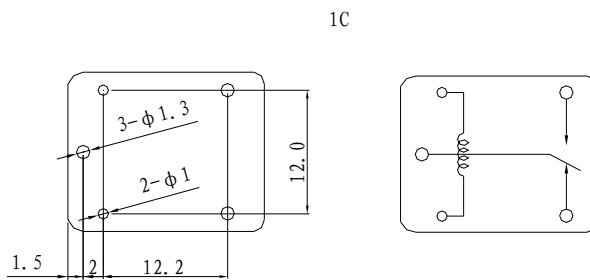
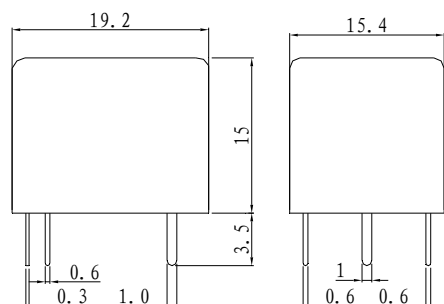
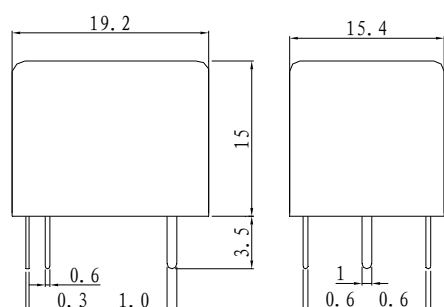
Ordering Information

BRD	-	SS	-	1	12	L	M	F	Insulation Class: F:Class F Nil:Class B
									Contact Form: Nil:One form C M:One form A B:One form B
									Coil Type: L:Standard DC Coil
									Coil Voltage: 03:3V, 05:5V, 06:6V, 09:9V 12:12V, 24:24V, 48:48V
									Number of Pole: 1:One Pole
									Type of Sealing: SS:Plastic Sealed Type
									Type: BRD

Classification

Model	BRD		
Coil Sensitivity	High Sensitivity DC Coil		
	1C	1A	1B
Plastic Sealed Type	BRD-SS-1□□L BRD-SS-1□□LF	BRD-SS-1□□LM BRD-SS-1□□LMF	BRD-SS-1□□LB

Dimension



尺寸公差 (Dimension Tolerance) : <1mm: $\pm 0.2\text{mm}$

1--5mm: $\pm 0.3\text{mm}$

>5mm: $\pm 0.5\text{mm}$