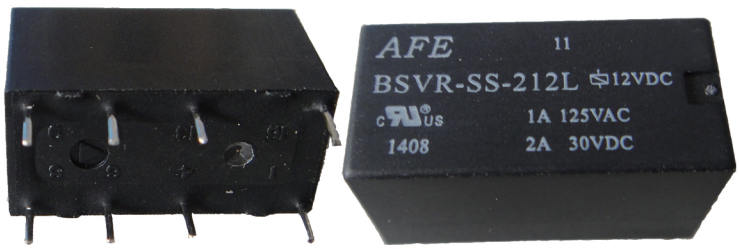
AFE®
Electronic

ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size (20.4x9.9x11.1 in mm) produces a switching capacity up to 1A for high density P.C.Board mounting technique.
2. The contact form construction is 2C
3. The Surge Resistance of BSVR series is 10,000V
4. Sealing Construction (Free from dust and solder flux): BSVR-SS: Plastic Sealed Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemicalj solution performance.
6. RoHS Compliant.



Patent: ZL 2011 2 0054622.4

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

Contact Rating

- Nominal Load(Resistive Load Cos ϕ =1)
  Contact Capacity
  BSVR-L……1A at 125VAC
  2A at 30VDC
- Max. Allowable Current
  BSVR-L……2A
- Max. Allowable Voltage
  BSVR-L……AC125V,DC30V
- Max. Allowable Power Force
  BSVR-L……125VA 30W
- Contact Material…… Ag Alloy
- Contact Form…… .SPDT

Performance (at Initial Value)

- Contact Resistance……≤50m Ω at 6VDC/1A
- Operate Time……...10ms. Max
- Release Time……... 5ms. Max
- Dielectric Strength:
  Between Coil & Contact……1,000VAC at 50/60 Hz for one minute
  Between Contacts……750VAC at 50/60 Hz for one minute
- Surge Resistance……...10,000V (between Coil & Contact 1.2x50 μs)
- Insulation Resistance……...…500 Mega Ω Min.at 500VDC
- Max. On/Off Switching:
  Electrical……...…30 Ops per minute
  Mechanical……300 Ops per minute
- Temperature Range…….. －30~70°C
- Humidity Range……5%~85% RH
- Coil Temperature Rise…….…… 35°C 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/s^2 Min
  Error Operation……..…… 98.1m/s^2 Min
- Life Expectancy:
  Electrical……10^5 Operations at Rated Resistive load
  Mechanical……10^7 Operations at No load condition
- Weight……...about 5.5g

Safety Standard & Its File Number

- UL……E332719
- TUV…… R50262654

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Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±8%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
BSVR-L	3	66.7	45	Abt. 0.2	75% Maximum	10% Minimum	130%
	5	40	125				
	6	33.7	180				
	9	22.2	405				
	12	16.7	720				
	24	8.3	2880				

Ordering Information

BSVR - SS - 2 12 L

Contact Form: Nil: Two form C

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: 2: Two Pole

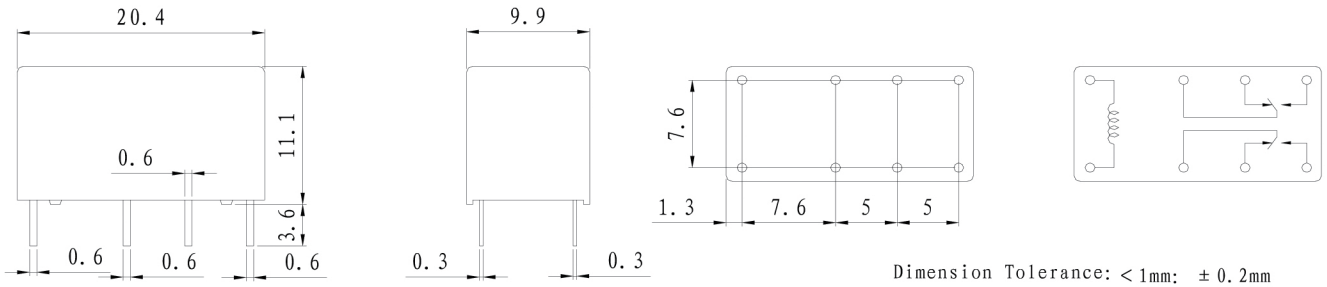
Type of Sealing: SS: Plastic Sealed Type

Type: BSVR

Classificatio

Model	**BSVR**
Coil Sensitivity	Standard DC Coil
	2C
Flow Solder Type	BSVR -SS-2□□L

Dimension



Dimension Tolerance: < 1mm: ± 0.2mm
1--5mm: ± 0.3mm
> 5mm: ± 0.5mm