



Main Feature

1. Small size (35.5x16x26.5 in mm) produces a switching capacity up to 25A for high density P.C.Board mounting technique.
2. The contact form construction is 1a
3. The Surge Resistance of BPF series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BPF-S: Flow Solder Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
6. RoHS Compliant.

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
BPF- LM.....25A at 250VAC
- Max. Allowable Current
BPF- LM.....25A
- Max. Allowable Voltage
BPF- LM.....AC250V
- Max. Allowable Power Force
BPF- LM.....6,250VA
- Contact Material..... Ag Alloy
- Contact Form.....SPDT

Performance (at Initial Value)

- Contact Resistance..... $\leq 50m\Omega$ at 6VDC/1A
- Operate Time.....10ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:
Between Coil & Contact.....5,000VAC at 50/60 Hz
for one minute
Between Contacts.....1,000VAC at 50/60 Hz
for one minute
- Surge Resistance.....10,000V (between Coil
& Contact 1.2x50 μ s)

- 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.....45~85% 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/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 28g

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)
BPF-LM	5	178.6	28	Abt. 0.9	75% Maximum	10% Minimum	130%
	6	150	40				
	9	100	90				
	12	75	160				
	24	37.5	640				
	48	18.8	2560				

Ordering Information

BPF	-	S	-	1	12	L	M	
								Contact Form: M: One form A
								Coil Type:L: Standard DC Coil
								Coil Voltage:05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V,
								Number of Pole:1: One Pole
								Type of Sealing: S: Plastic Sealed Type
								Type: BPF

Classificatio

Model	BPF
Coil Sensitivity	Standard DC Coil 1A
Flow Solder Type	BPF -S-1□□LM

Dimension

