Main Feature

1. Small size (23x11.7x27 in mm) produces a switching capacity up to 16A for high density P.C.Board mounting technique.
2. The contact form construction is 1A
3. The Surge Resistance of BPMK series is 10,000V
4. Sealing Construction (Free from dust and solder flux): BPMK-SS: Plastic Sealed 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 Φ=1)
  Contact Capacity
  BPMK-LM……..……..16A at 250VAC
  16A at 30VDC
- Max. Allowable Current
  BPMK-LM……..……16A
- Max. Allowable Voltage
  BPMK-LM…….....…… …AC240,DC30V
- Max. Allowable Power Force
  BPMK-LM……4,000VA,480W
- Contact Material…….. Ag Alloy
- Contact Form…… ……SPST

Performance (at Initial Value)

- Contact Resistance……≤50mΩ 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 μs)
- Insulation Resistance……1,000 MegaΩMin. at 500VDC
- Max. On/Off Switching:
  Electrical……..30 Ops per minute
  Mechanical……300 Ops per minute
- Temperature Range…….. －30~70℃
- Humidity Range……45~85% 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/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 16g

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)
BPMK-LM	3	176.5	17	Abt. 0.54	75% Maximum	10% Minimum	130%
	5	108.7	46				
	6	89.6	67				
	9	60	150				
	12	44.4	270				
	24	21.8	1100				
	48	11.2	4270				

Ordering Information

BPMK - SS - 1 12 L M P

Terminal Type: Blank: Standard Type **P:**PCB Type

Contact Form: M: One form A

Coil Type: L: Standard DC C

Coil Voltage: 03:3V, **05:**5V,**06:**6V,**09:**9
12:12V,**24:**24V.**48:**48

Number of Pole: 1: One Pole

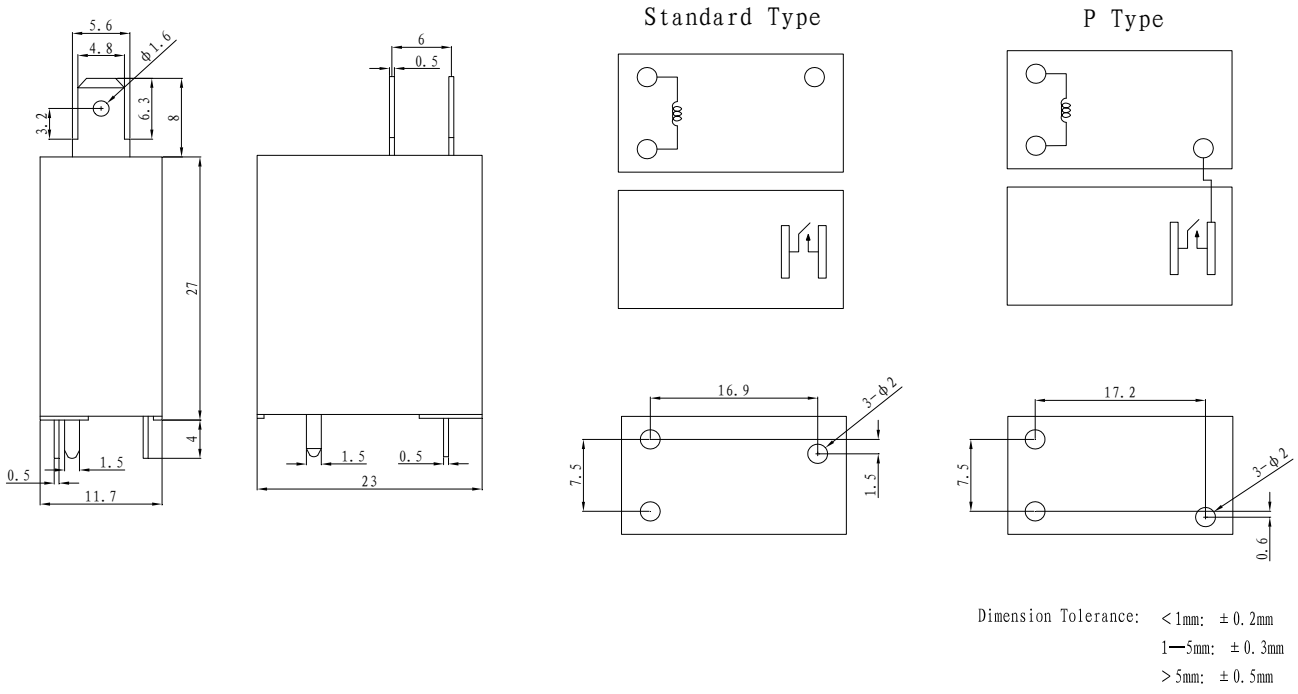
Type of Sealing: SS: Plastic Sealed Type

Type: BPMK

Classificatio

Model	**BPMK**
Coil Sensitivity	Standard DC Coil
	1A
Flow Solder Type	BPMK -S-1☐☐LM

Dimension



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