



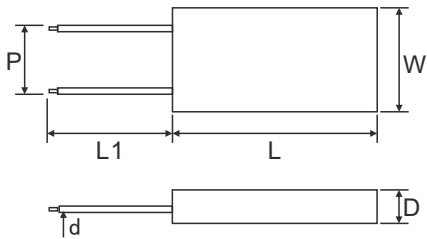
## ● Features

- I High power, firmly and shock-proof
- II Perfect insulation
- III Moisture-proof, good heat resistant
- IV High pulse voltage load

## ● Application

- I Frequency inverter
- II Power supply and electricity
- III Auto control devices

## ● Dimensions



Type	Power	Resistance Range(Ω)	Dimensions(mm)					
			W±2	D±1	L1±2	L±3	P±2	d±0.5
BKM	50W	0.1R~200R	38	18	20	90	16	3
	80W	0.1R~200R	38	18	20	90	16	3
	100W	0.1R~200R	38	18	20	90	16	3

## ● Ordering Information

Example:

BKM	50	J	R100
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type: BKM SERIES

(2)Power Rating: 50=50W、80=80W、100=100W

(3)Tolerance: J= ± 5%

(4)Resistance Value:R100=0.1Ω

## ● Reference Standards

JIS C 5201-1

## ● Performance

TEST ITEM	SPECIFICATIONS	TEST METHOD
TCR	-250ppm/°C ≤ TCR ≤ +250ppm/°C	25°C ~125°C $\frac{R_2-R_1}{R_1(T_2-T_1)} \times 10^6$ ppm/°C
Short Time Overload	$\Delta R \leq \pm (2\%R+0.1\Omega)$	at 10 times of the rated power applied for 5 seconds
Dielectric With Standing Voltage	The resistor shall be able to withstand without breakdown or flashover	1000V AC/PC 60 seconds
Endurance At 70°C	$\Delta R \leq \pm (5\%R+0.1\Omega)$	Placed in the constant temperature chamber of 70 ± 3°C, the resistor shall be connected to the lead wire at the point of 25mm length with each terminal, the resistors shall be arranged not much effected mutually by the temperature of the temperature of the resistors and the excessive ventilation shall not be performed, for 90 minutes on and 30 minutes off under this condition the rated D.C. voltage is applied continuously for 1000 +48/-0 hours then left at no-load for 1hour, measured the resistance value at this time.
Insulation Resistance	the test resistance should be high than 1000M Ohm.	Apply 'measuring voltage' between protective coating and termination for 1 min, then measure, the measuring voltage shall be either 100V ± 15V d.c. for resistors with an insulation voltage lower the 500V or 500V ± 50V d.c. for resistors with an insulation voltage equal to or greater than 500V
Robustness Of Terminations	the load shall be held for 10 seconds, the load of weight shall be ≥ 10kg.	Direct load resistors shall be held by one terminal and the load shall be gradually applied in the direction of the longitudinal axis of the resistor unit the applied load reached the requirement.