



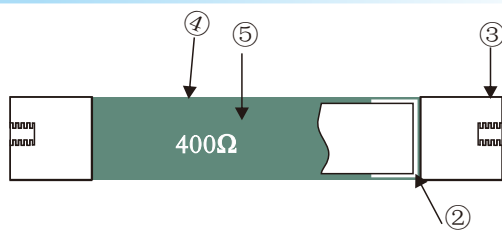
● Features

- I .High Surge Energy Rating
- II.High Voltage Withstand
- III.Essentially Non-Inductive
- IV.Air / Oil / SF6 Environments
- V.Air and water cooled cariants
- VI.Range of Terminations Available
- VII.Custom Solutions Available

● Applications

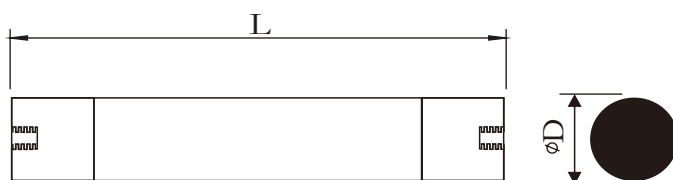
- Motor drive circuits
- RF dummy loads
- Harmonic filter
- X-ray equipment
- Capacitor charge/discharge
- Snubber circuits
- Dynamic braking
- Impulse generators
- High voltage power supplies
- Bleeder
- High-frequency circuits
- Transformer protection
- High-voltage circuits
- Laser/Imaging equipment
- Capacitor charge/discharge

● Constructions



①	Ceramic composite (non-hollow) M6 outlet		
②	Inner electrode	④	Coating
③	Electrode cap	⑤	Marking

● Dimensions



Type	Power @40°C (W)	Dimensions(mm)		Range Resistance(Ω)		Peak Engr (Joules)	Peak Voltage
		L ± 1.5	D ± 1.0	Min	Max		
HJB	100	100	30	1.0Ω	1MΩ	10000J	20KV
	150	150	30	1.0Ω	1MΩ	12000J	30KV
	200	200	30	1.0Ω	1MΩ	15000J	50KV
	300	150	40	1.0Ω	1MΩ	14000J	70KV
	500	200	40	1.0Ω	1MΩ	18000J	90KV
	800	300	40	1.0Ω	1MΩ	22000J	100KV
	600	200	50	1.0Ω	1MΩ	24000J	100KV
	900	300	50	1.0Ω	1MΩ	27000J	100KV
	1000	350	50	1.0Ω	1MΩ	32000J	100KV

● Reference Standards

JIS C 5201-1

Ordering Information

Example

HJB	100W	K	100Ω
(1)	(2)	(3)	(4)
Type	Power Rating	Resistance Tolerance	Resistance Value

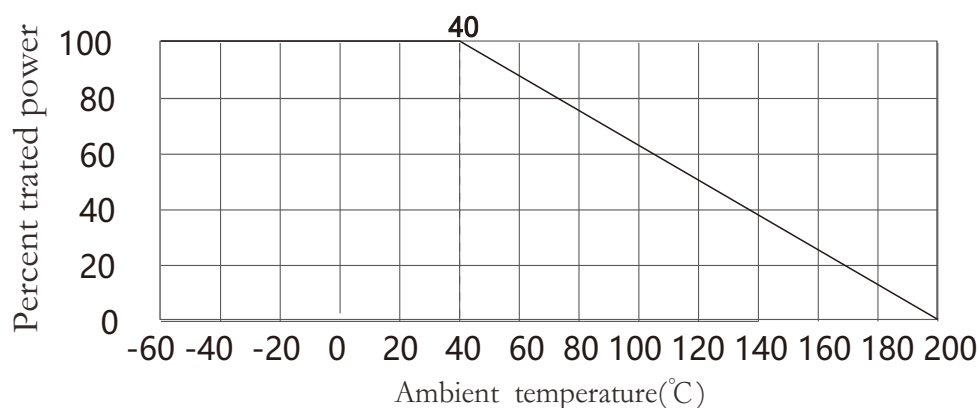
(1)Type:HJB

(2)Power Rating:100W,150W,200W,300W,350W

(3)Resistance Tolerance:K=10%

(4)Resistance Value:100Ω00=100Ω, 1KΩ00=1KΩ

Derating Curve



For resistors operated at an ambient temperature of 40°C or above, a power rating shall be derated in accordance with the derating curve.

Performance

Item	Test Methods
Working temperature;	230℃
Temperature coefficient :	- 0.15 % / °C Max
Voltage coefficient :	- 5 % KV / Cm Max for specific resistance of 3000Ω. cm or lower, refer to below.
Withstand voltage(1.2x50 μS):	5kv/cm Max
load life stability(500h)	± 7% Max
Short time overload: (10 times of rated power for 5 sec)	± 2% Max
Bulk density:	2.65
Specific heat:	630~1250 J(kg.k)
Max working temperature:	250℃
Short time allowable injection energy :	90J / cm ³ Max