Variable Power Wirewound Resistors, Adjustable Resistors, Rheostat

TYPE: BC 1 series
TYPE: BC1-N series
TYPE: BC1-DZ series

Power Rating: 25W-3000W
Resistance Value: 1Ω-10kΩ
Resistance Tolerance: ±5%,±10%

● Construction:

1.BC1 ceramic tray variable series are wound with chromium-alloy wire as a resistor element.
2.The entire component is coated non-flammable and high-temperatue resin exception for the slide contact surface.
3.After cooling and drying, insulation is applied through a high-temperature process. Installed centered roating adjuster component slides along the resistance element to vary the resistance to the desired value.
4.Can provide the knob with customers requirement.

● Features:

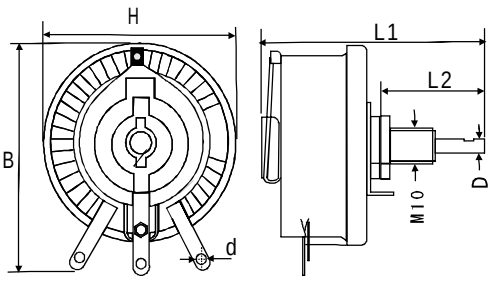
1.Variable resistors are often called potentiometers in books and catalogues.Variable BCI may be used as a rheostat with two connections,(the wiper and just one end of the track)or as a potentiometer with all three connections in use.
2.On one resistor ,can have the different resistance requirement(flat and round wire can be in the same rheostat).
2. High power rating,resistance to humidity, resistance value in great adjustable range.
3.Motor controller also use BCI series as rheostat or potentiometer to control the speed of a motor by limiting the flow of current through them .
4. Delivery:7-10days.
5. Conforms to the ROHS standard and the LEAD-FREE non-lead standard.

● Applications:

Widely used in blenders ,mixers,fans,power tools,educational modeling,load simulations, industiral machinery RPM adjustment,voltage and current adjustment,instruments,and automated control installations, etc.

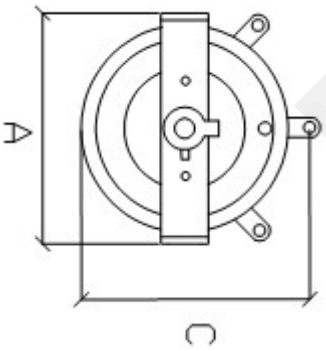
● Dimensions

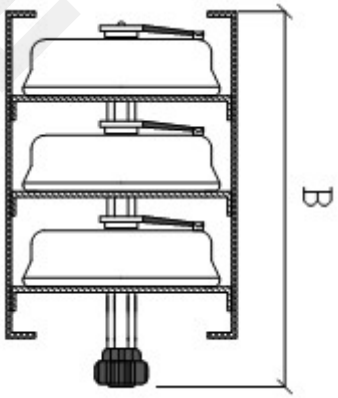
TYPE:BC1 25W-500W single resistor power rating
TYPE:BC1-N 25W-500W single resistor power rating (with knob)
TYPE:BC1-DZ 25W-500W single resistor (with multi-resistance value)

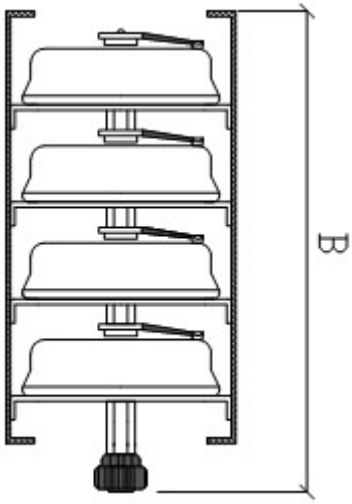


Power rating	Dimensions（mm）						Resistorance (Ω)
	H±3	L1±5	L2±3	B±3	D±0.5	d±0.3	
25W	44	60	25	50	6	2	1~3K
50W	64	64	25	70	6	2	1~5K
100W	81	64	35	92	6	4	1~5K
150W	104	70	30	120	6	4	1~5K
300W	155	115	55	170	10	4	1~5K
500W	205	120	60	215	10	4	1~5K

TYPE:BC1 1000W-3000W
TYPE:BC1-N 1000W-3000W
Note:
1. Single resistor with power rating 500W
2.1000W(two resistors series connection or parallel)
3. 1500W(three resistors series connection or parallel)
4. 2000W(for resistors series connection or parallel)
5. 2500W(five resistors series connection or parallel)
6.3000W(six resistors series connection or parallel)
7. TYPE BC1-N series with the knob in the bottom







power rating	A±3	B±5	C±3
1000W	216	198	214
1500W	216	298	214
2000W	216	396	214
2500W	216	496	214
3000W	216	595	214

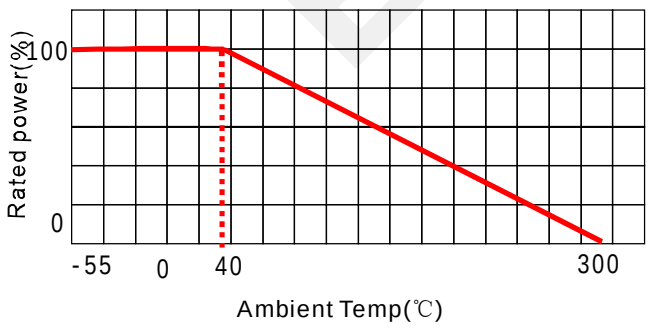
● Application Notes:

1.wattage is proportional to this adjusted resistance value.
2.adjustability is 10% to 90% of full resistance value.
3.at the end resistance value is rated power wattage.
4.reisistance value means maximum resistance value(end resistance value).
5.resistance tolerance mean precision range of end resistance value.

● Performance Specifications

Test item	Test condition	Specifications
Resistance tolerance	JIS-C-5261 5-1	Resistance tolerance ±5% , ±10%
Insulation resistance	JIS-C-5261 6-1 500V DC	100 MΩ Min
Dielectric withstanding	JIS-C-5261 7-1 1000V DC	Free or appearance or structural
voltage	60s Between terminal and axis	irregularity
Terminal strength	JIS-C-5261 6-5 3kg 30s	Free or appearance or structural
		irregularity △R≤±(2%+0.1Ω)
Vibration	JIS-C-5261 6-6 1.5m/m	Free or appearance or structural
	10-50-10 HZ/min 2H each	irregularity △R≤±(2%+0.1Ω)
Load life	JIS-C-5261 7-7	Free or appearance or structural
		irregularity △R≤±(5%+0.1Ω)
Full gyration angle	JIS-C-5261 6-1	300±5℃
Flame retardation	100%-600% rated power load	US UL-94 flame retardation
		test V-0 grade noncombustible

● Derating



● How to order

BC 1	25W	50R	J
①	②	③	④

① Type: BC 1 ,BC 1-N, BC 1-DZ
② Rated Power(W):25W-3000W
③ Resistance Value(Ω):1Ω-5KΩ
④ Tolerance(%):±5%,±10%