

3W to 10W PLANAR HIGH POWER RESISTORS

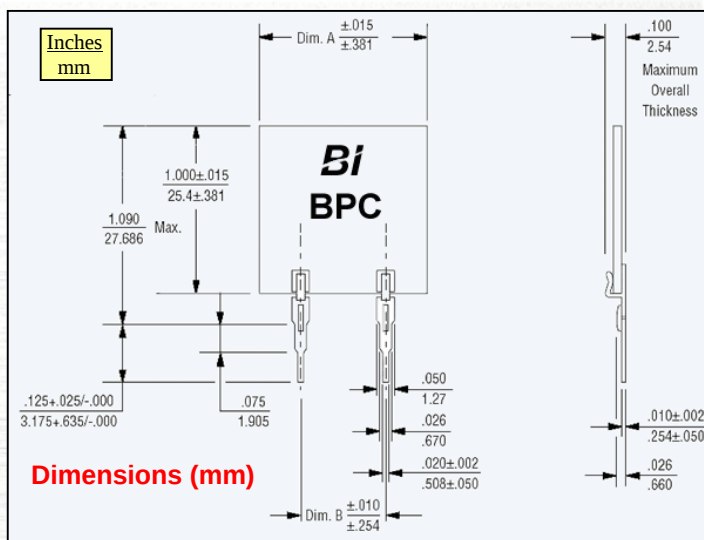
Features

- Non-Inductive planar package
- High power density.
- Thin package for high density PCB installation.
- Power dissipated above the board.
- RoHS compliant.

Applications

- Power supply pre-load resistors.
- UPS systems
- Snubber and pulse handling circuits.
- Pulse generator load resistors.
- In-rush current protection
- Bleeder Resistors

Specification



Model	BPC3	BPC3	BPC3	BPC3
Dim A	0.40 10.16	0.50 12.70	0.75 19.05	1.00 25.54
Dim B	0.20 6.08	0.20 5.08	0.50 12.70	0.80 20.32

Materials

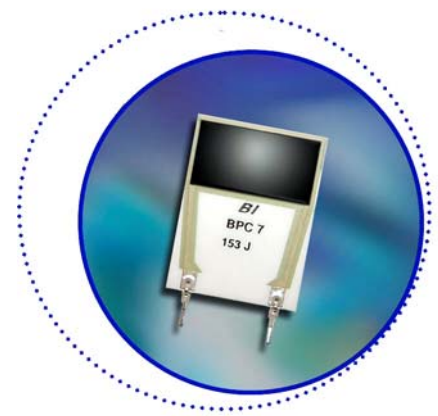
Lead: Tin Plated Copper Alloy
 Substrate: 96% Alumina
 Resistor: Thick Film

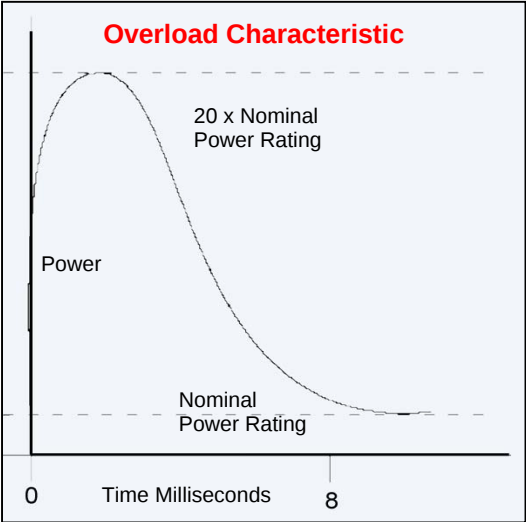
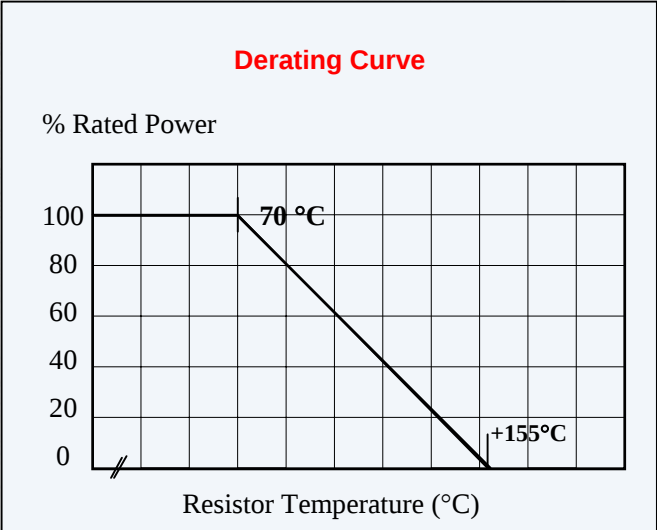
Notes:

- Contact factory for custom products, non-standard values and tolerances.

Items	Specification	Conditions
Power Rating	3W, 5W, 7.5W & 10W	@ ambient temp < 70°C
Operating Voltage Max	300Vac, 500VDC	
Resistance Range	0.1Ω to 200 KΩ	Extended resistance range available.
TCR	100 ppm/°C	For -55 to +155°C and above 1Ω.
Tolerance	10, optional +/-5% , 1%, 2%	
Operation Temp. Range	-55 - +155 °C	
Dielectric Withstanding Voltage	5000 Volts minimum	
Mechanical Shock	ΔR +/- 0.25 %	100G.
Vibration	ΔR +/- 0.25 %	20G, 10 to 2KHz
Load Life	ΔR +/- 2.0 %	70°C, 90 min. ON, 30 min.OFF, 1000 hours.
Humidity	ΔR +/- 0.5 %	85°C, 85% RH, DC 0.1W, 1000 hours.
Temperature Cycle	ΔR +/- 0.5%	-55°C, 30 min.,+155°C 30min., 5cycles.
Soldering Heat (Max)	ΔR +/- 0.25 %	260+/-5°C, 10 seconds,
Solderability	Min 95% coverage	230+/-5°C, 5 seconds.
Insulation Resistance	Over 1000 MΩ	.

Specifications subject to change without notice





Ordering Information

BPC

10

500

F

Model

Power Rating Code

3 : 3W

5 : 5W

7 : 7.5W

10 : 10W

Resistance Code

50 Ω : 500 First two digits significant, last digit: number of trailing zeros

Tolerance

K = 10% Tol

J = 5% Tol

G = 2% Tol

F = 1% Tol