Power Resistors











Moulded Package Non-Inductive

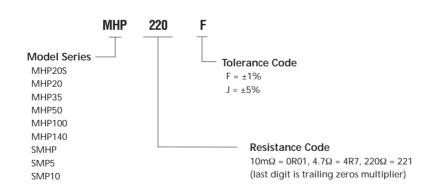
Model	MHP20S	MHP20	SMHP	SMP	MHP35
Package Style	TO-126	TO-220	TO-263	SOIC	TO-220
Construction	Thick/Thin Film	Thick/Thin Film	Thick/Thin Film	Thick Film	Thick/Thin Film
Dimensions, Inches					
Body Length, Max. (mm)	12	15	10.3	11	15
Mounted Ht., Max. (mm)	15.2	19	4.5	2	19
Body Width, Max. (mm)	8.5	10.6	10.6	8	10.6
Resistance					
Range, Ohms	0.01 to 51K	0.01 to 51K	0.01 to 51K	0.01 to 100K	0.01 to 51K
Tolerance (%)	±1, ±5	±1, ±2, ±5	±1, ±2, ±5	±1, ±5	±1, ±5
TCR ppm/°C	±50 to ±250	±50 to ±250	±50 to ±250	±100	±50 to ±250
Power Rating (Watts)	20W @ Tab Temp. <25°C NOTE 2	20W @ Tab Temp. <25°C	20W @ Tab Temp. <25°C	5, 10	35W @ Tab Temp. <25°C NOTE 3
Operating Voltage Max.	÷ PR	500 or ÷ PR	500 or ÷ PR	500Vdc or ÷ PR	500 or ÷ PR
Operating Temp. Range	-55°C to +155°C	-55°C to +155°C	-55°C to +155°C	-55°C to +155°C	-55°C to +155°C
Dielectric Strength (Volts)	2000	2000	2000	4000	2000

Specifications subject to change without notice.

- 1. Please call the factory for TCR values for other resistance values

Ordering Information

MHP20S/MHP20/MHP35/MHP50/MHP100/MHP140/SMHP/SMP5/SMP10









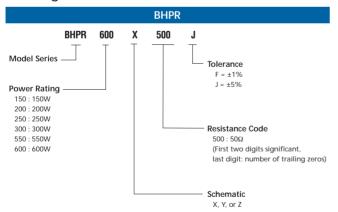


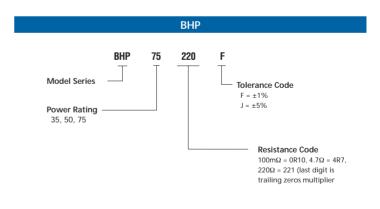


MHP50	ВНР	MHP100	MHP140	BHPR 150 / 600
TO-220	TO-220	TO-247	TO-247	TO-227
Thick/Thin Film	Thick/Thin Film	Thick/Thin Film	Thick/Thin Film	Thick/Thin Film
15	19	20	20	38
19.0	19	20	20	11.8
10.6	10.6	16	16	25
0.01 to 51K	0.1 to 100K	.01 to 51K	0.01 to 220 NOTE 6	1 - 1K SEE SCHEMATICS
±1%, ±5%	±1%, ±5%	±1%, ±5%	±1%, ±5%	±1%, ±5%
±50 to ±250	±100	±50 to ±250	±50 to ±250	±100
50W @ Tab Temp <25°C NOTE 4	35 to 75*	100W @ Tab Temp <25°C SEE NOTE 5	140W Tab Temp <25°C	150 to 600
500 or ÷ PR	÷ PR	700 or ÷ PR	700 or ÷ PR	÷ PR
-55 to +155	-55°C to +155°C	-55°C to +155°C	-55°C to +155°C	-55°C to +155°C
2000	750	2500	2500	2500

^{4.} From 220% to 51K% available on request and are rated at 30W $\,$

Ordering Information





Schematics

BHPR 200/300/600		600	BHPR 15	0/250/550
erwie Circuit X	erwe e	e ····································	Circuit X	(D : D) Circuit Y

^{5.} From 220w to 51Kw available on request and are rated at 50W

^{6.} Higher resistance values available on request

^{*} Please consult factory for 78W availability

Planar Non-Inductive Power Resistors & Heaters









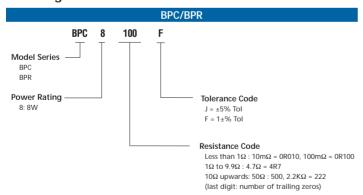
Current Sense Non-
Inductive Power Resistors

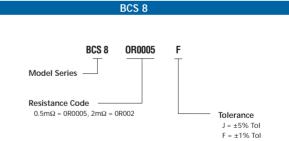
Model
Package Style
Construction
Current Rating, Amps
Dimensions
Body Length, Max (mm)
Mounted Height, Max (mm)
Body Width, Max (mm)
Resistance
Range, Ohms
Tolerance, (%)
TCR, ppm/°C
Power Rating (Watts)
Operating Voltage Max (Volts)
Operating Temp. Range (°C)
Peak Current (Amps)
Dielectric Strength (Volts)

BPC	BPR	Heaters
Planar	Planar	Planar
Thick Film	Thick Film	Thick Film
10	10	
10.56 to 25.8	12.7 to 53.34	Custom
27.69	17.2 to 57.66	Custom
2.54	6.1	Custom
0.1 to 200K	0.1 to 200K	0.1 to 100K
±1, ±2, ±5, ±10	±1, ±2, ±5, ±10	±1, ±2, ±5, ±10
±100	±100	±100
3 to 10	3 to 50	3 to 200
500 or ÷ PR	500 or ÷ PR	500 or ÷ PR
-55 to +155	-55 to +155	-55 to +155
20 x Rated	15 x Rated	
up to 8ms	up to 8ms	
5kV min	5kV min	

BCS 8	
5025	
Metal Plate	
90	
12.8	
2.5	
6.4	
0.5m to 10m	
±1, ±5	
Тур 30	
8	
-55 to +175	
126	

Ordering Information





Heater

Please contact the factory for your requirements

Specifications subject to change without notice

Power RF Resistors







Power RF Chip Attenuator

Model
Package
Construction
Length (mm)
Mounted Height (mm)
Width (mm)
Resistance, Ohms
Power, Watts
Attenuation (dB)
VSWR

BFA	ВГА
SMT	SMT
Thin Film	Thin Film
8.89 to 11.43	4
1.1	0.6
5.84 to 7.62	4
50	50
100 to 150	1
10, 20, 30, 40	0 to 40

Power RF Terminations
BFT
Beam Lead
Thin Film
5.08 to 9.52
1.05
2.54 to 9.52
50
10 to 250
10 to 40
1.15 to 1.20



Power RF Resistors

Model
Package
Construction
TC ppm/°C
Length (mm)
Mounted Height (mm)
Width (mm)
Resistance, Ohms
Power, Watts
Series L (uH)
Parallel C (pF)

BRF
Beam Lead
Thin Film
±50
5.08 to 9.52
1.05
2.54 to 9.52
50 to 800
10 to 250
<3.2
<0.05 to 1

Ordering Information

