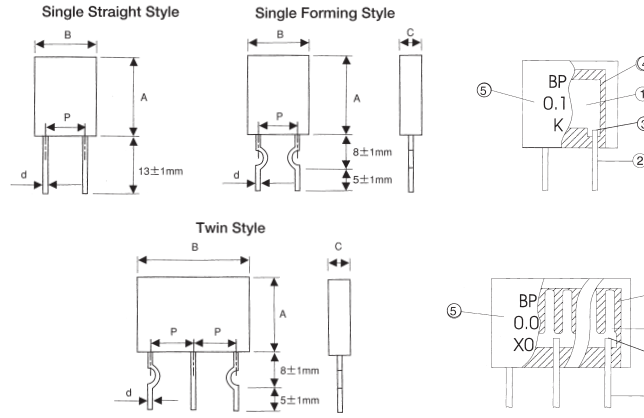
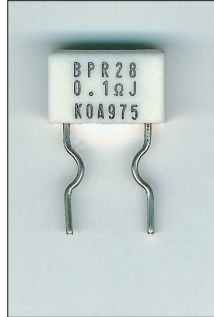


## METAL PLATE RECTANGULAR TYPE BPR



### STRUCTURE

- 1 Resistive element
- 2 Solder plated copper wire
- 3 Welding joint
- 4 Special potting material
- 5 Steatite ceramic case



### IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
BPR	White Ceramic Case	Alpha Numeric

All these products have Pb-free terminations and meet EU-RoHS and China-RoHS requirements

### TYPE DESIGNATION (HOW TO ORDER)

BPR	2	6	C	F	10L	J
PRODUCT CODE	POWER RATING Unit: Watt 2 ... 10	LEAD WIRE Ø OR POWER RATING (TWIN TYPE)	TERMINATION SURFACE MATERIAL C: SnCu	TAPING & FORMING *Blank: Straight Leads F: Formed Leads FT: Radial Taping	NOMINAL RESISTANCE 3 digits	RESISTANCE TOLERANCE J: (±5%) K: (±10%)

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

### FEATURES

- Power type current detecting resistors
- Low resistance values, high power ratings
- Twin type and single type shapes are available
- Flame retardant resistors in ceramic case
- Automatic insertion is applicable (Type 26 and 58)
- Low inductance
- Space saving
- Rated ambient temperature: +70°C
- Operating temperature range: -40°C... +200°C

### DIMENSIONS (mm)

TYPE	A	B	C±1.0	d±0.1	P
BPR 26	8.5 ± 1.0	13.0 ± 1.0	4.0	0.6	9 ± 1.0
BPR 28					
BPR 38	13.0 ± 1.0	14.0 ± 1.0	5.0	0.8	20 ± 1.0
BPR 58					
BPR 108	17.0 ± 1.5	26.0 ± 1.5	5.0	0.8	20 ± 1.0
BPR 55					
BPR 77	20.0 ± 1.8				10 ± 1.0

### STANDARD RESISTANCE VALUES

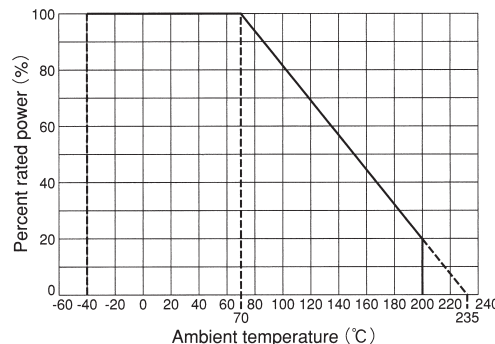
TYPE	26, 28		38		58		108		55		77	
	RES./TOL.	J	K	J	K	J	K	J	K	J	K	
0.01Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.012Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.015Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.02*Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.022Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.027Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.03*Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.033Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.039Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.04*Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.047Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.05*Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.068Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.082Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.1Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.12Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.15Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.18Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.22Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.27Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.33Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.39Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.47Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.56Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.68Ω	○	○	○	○	○	○	-	-	-	-	-	-
0.82Ω	○	○	○	○	○	○	-	-	-	-	-	-
1Ω	○	○	○	○	○	○	-	-	-	-	-	-

### RATING

TYPE	T.C.R. (ppm/K)	POWER RATING*	RESISTANCE RANGE • E12	
			J (±5%)	K (±10%)
BPR 26	±350	2 W	0.01Ω	0.01Ω ... 0.68Ω
BPR 28		2 W		
BPR 38		3 W	0.01Ω, 0.1Ω ... 1Ω	0.01Ω ... 1Ω
BPR 58		5 W		
BPR 108		10 W	0.05Ω, 0.1Ω	0.05Ω, 0.1Ω ... 1Ω
BPR 55		5 W + 5 W		
BPR 77	7 W + 7 W	0.22Ω ... 0.47Ω	0.03Ω ... 0.47Ω	

\* For resistors operated in ambient temperature over +70°C, power rating shall be derated.  
Rated voltage = √ Power rating x resistance value

### DERATING CURVE



- Standard product
- Blank Please consult KOA for the requested value
- Not available
- \* Ohmic values outside E12 range
- J J (±5%)
- K K (±10%)

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.