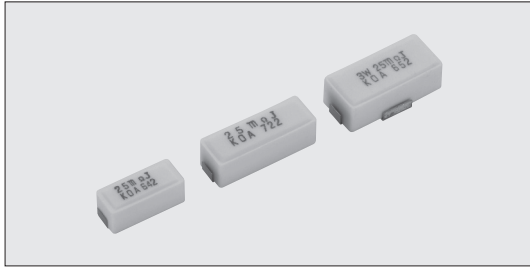
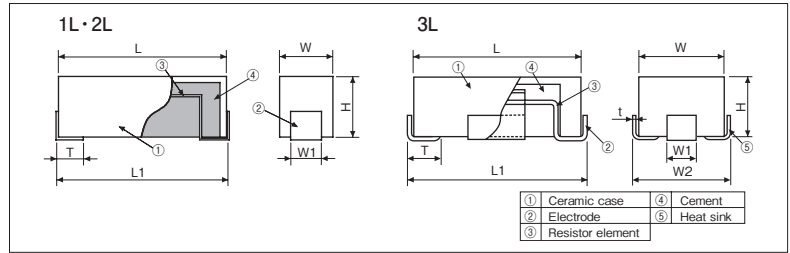


BLR Ceramic Case Surface Mount Resistors



Construction



Features

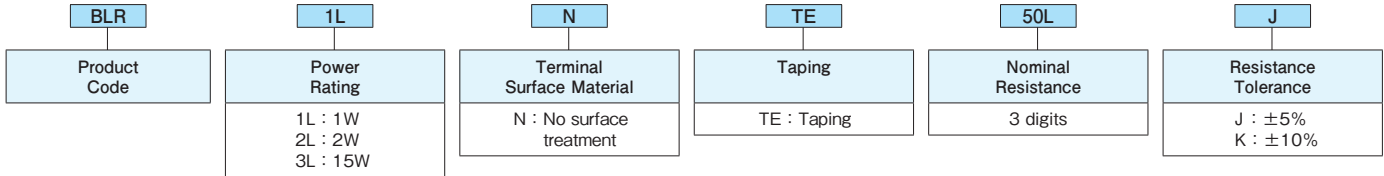
- Suitable to sense large current due to ultra low resistances.
- Flame retardant resistor in a ceramic case.
- All custom-made products.
- Automatic mounting is available.
- Products meet EU-RoHS requirements.

Dimensions

Type (Inch Size Code)	Dimensions (mm)								Weight(g) (1000pcs)
	L±0.5	L1±1	W±0.5	W2	H±0.5	W1±0.3	(t)	T±1	
BLR1L	13	14	5.5	—	5.2	3	—	2.5	750
BLR2L	18	19	6.3	—	6.0	3	—	3.0	1600
BLR3L	18	19.3	8.2	9.2	6.0	3	0.3	3.0	2000

Type Designation

Example



Resistance Value (Ω)	3 digits
8m~9.1m	8L0~9L1
10m~50m	10L~50L

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

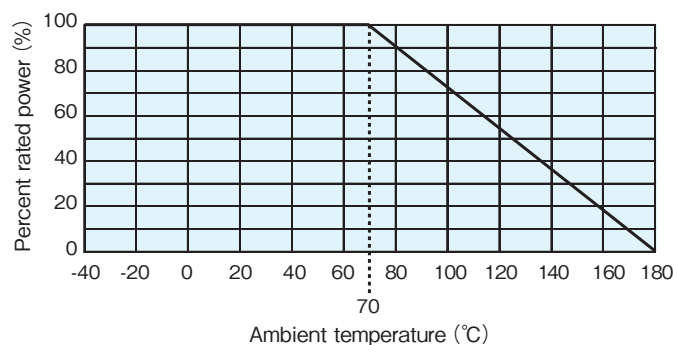
Ratings

Type	Power Rating	Resistance ^{※1} Range (Ω)	Resistance Tolerance	T.C.R. (×10 ⁻⁶ /K)	Rated Ambient Temperature	Operating Temperature Range	Taping & Q'ty/Reel (pcs)
							TE
BLR1L	1W	25m, 50m	J : ±5% K : ±10%	±100	+70°C	-40°C~+180°C	1,000
BLR2L	2W	8m, 12m, 13m, 16m,					
BLR3L	15W ^{※2}	17.5m, 20m, 22m, 25m					750

※1 Please consult with us in advance about resistance value for custom-made products.

※2 It is assumed to be used on aluminum circuit board.

Derating Curve



For resistors operated at an ambient temperature of 70°C or higher, the power shall be derated in accordance with the above derating curve.

Performance

Test Items	Performance Requirements $\Delta R \pm (\% + 0.05\Omega)$		Test Methods
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified value	—	+25°C / +125°C
Cold resistance	5	2	-55°C 1000h
Heat resistance	5	2	+125°C 1000h
Moisture resistance	5	2	40°C±2°C, Power rating×1/10, 90%~95%RH, 1000h 1.5h ON/0.5h OFF cycle
Load life	5	2	70°C±2°C, 1000h 1.5h ON/0.5h OFF cycle

Precautions for Use

- Take care of soldering since the surface treatment is not made on the electrodes of these resistors.
- In the resistance values of 50mΩ or below, the resistance value after soldering may change depending on the size of pad pattern or solder amount. Make sure the effect of decline/increase of resistance value before designing.