

METAL PLATE LOW RESISTANCE CEMENT RESISTORS SQF TYPE

(SQF SERIES)

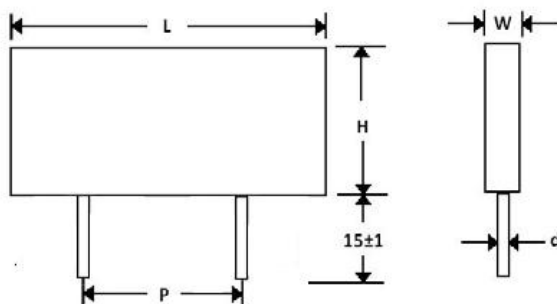
Features:

Low Inductance
Safety Flameproof Construction
Thin Lightweight Body Save the PCB Space Considerably

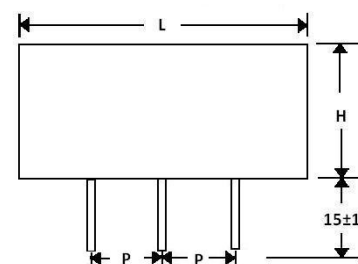
Tolerance available : $\pm 10\%$, $\pm 5\%$, $\pm 2\%$
Single and twin circuit are available
Ambient Temp. range $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$

Dimensions

Single Circuit Straight Leads

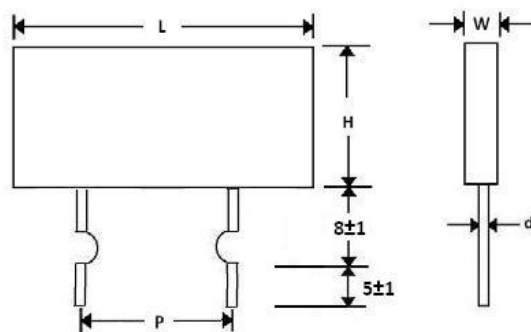


Twins Circuit Straight Leads

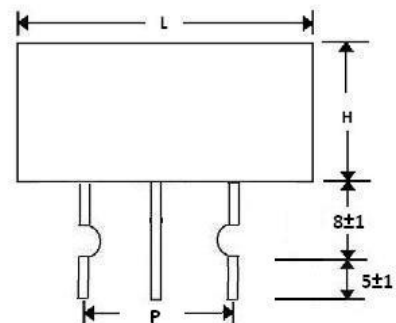


MK TYPE

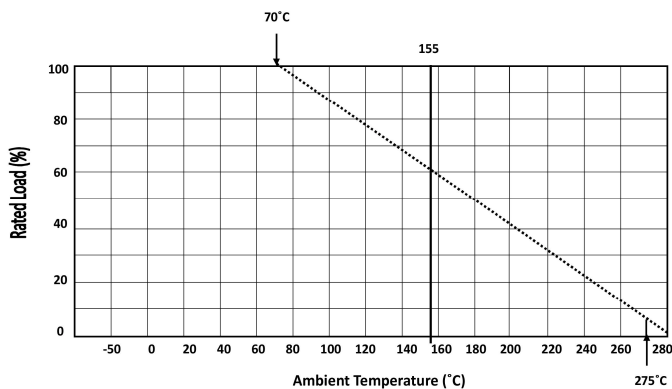
Single Circuit Forming Leads



Twin Circuit Forming Leads



Derating Curve



General Specification

Type	Power Rating at 70°C	DIMENSIONS (mm)					Resistance Range
		L	H	W	d	P	
SQF2W	2W	13.5±1.5	8±1.0	5±1.0	0.8±0.05	9±1.0	0.1Ω~1Ω
SQF3W	3W	13.5±1.5	13±1.5	5±1.0	0.8±0.05	9±1.0	
SQF33	3W+3W	26±1.5	13±1.5	5±1.0	0.8±0.05	10±1.0	
SQF5W	5W	14±1.5	18±1.5	5±1.0	0.8±0.05	9±1.0	
SQF10W	10W	26±1.5	17±1.5	5±1.0	0.8±0.05	10±1.0	
SQF55	5W+5W	26±1.5	18±1.5	5±1.0	0.8±0.05	10±1.0	
SQF77	7W+7W	26±1.5	20±1.5	5±1.0	0.8±0.05	10±1.0	

* Resistances lower than 0.1 ohm are available upon request

Characteristics

Requirements	Performance	Test Methods Jis 5201-1
Resistance	± 5%, ± 10%	Measuring points are 10mm±1mm from the end body.
T.C.R	±350ppm/°C	Room temperature /100°C up
Short Time overload	± 2%	Rated voltage x 2.5, 5s.
Resistance to solder heat	± 2%	Immerse the leads 2.0mm from the root of termination to the solder at 260°C±5°C for 10s±1s.
Solderability	95% coverage min.	260°C ± 5°C, 2s ± 0.5s
Terminal Strength	No mechanical damages	Direct load : 10N, 10 sec Bending test : 5N 90°, 2 times
Moisture resistance	± 5%	40°C±2°C, 90%~95%RH, 1000hr, 1.5hr. ON/0.5hr. OFF Cycle
Load Life	± 5%	70°C±2°C, 1000hr 1.5hr. ON/0.5hr. OFF cycle
Resistance to solvent	No visible damage to protective coating and marking	After immersing the sample in I.P.A. for 60s±10s, the resistor surface rubbed with absorbent cotton for 10 times
Ambient Temp range	-55°C~±155°C	

Parts Number system

SQF	2W	R10	J	B
Type of cement resistor	Wattages	Resistance	Tolerance	Packaging Codes
	33, 55, 77 Twin Circuit	3-digit code 103=10K ohm	J=5% k=10%	B=Bulk pack straight leads MK=Bulk pack forming leads

