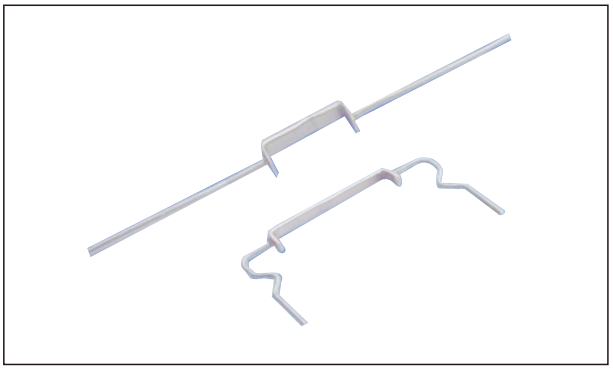
FLP 低阻值电阻



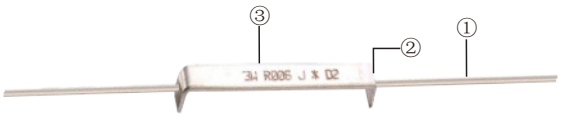
Features

- Welded Construction
- Flameproof
- Inductance Less Than 10μH
- Solderable Copper Leads

Applications

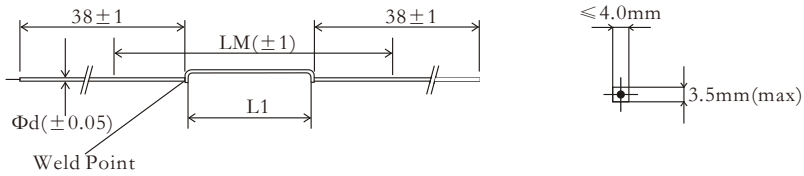
- Current Sensing
- Feedback
- Low Inductance
- Surge And Pulse

Construction



①	Tin plated Copper leads
②	Weld point
③	Resistive element

Dimensions



Type	Power rating at 85℃	Dimensions (mm)			Typical Weight Per Pc (gms) Based On Resistance Value		
		L1±1.0	d±0.05	LM±1.0	low	med	high
FLP-1	1W	11 to 15	0.8	40	1.25	0.75	0.5
FLP-2	2W	16.3 to 22.5	1.0	45	1.75	1.1	0.75
FLP-3	3W	28 to 35.5	1.0	60	2.25	1.4	0.85

Note : Resistance values must be checked using 4 1/2digit micro ohm meter with four wire system and insulated clips, which should be attached to the resistor leads over centered length "LM" in the case of FLP series. In differing conditions, please compensate by ±0.4m Ω/cm.

Ordering Information

Example:

FLP-1	1	F	R01	C
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance Value	TCR

(1)Type:FLP SERIES

(2)Power Rating: 1=1W、3=3W、5=5W

(3)Tolerance: F=±1%、G=±2%、H=±3%、J=±5%、K=±10%

(4)Resistance Value:R10=0.01Ω、R003=0.003Ω

(5)TCR:±20ppm/℃

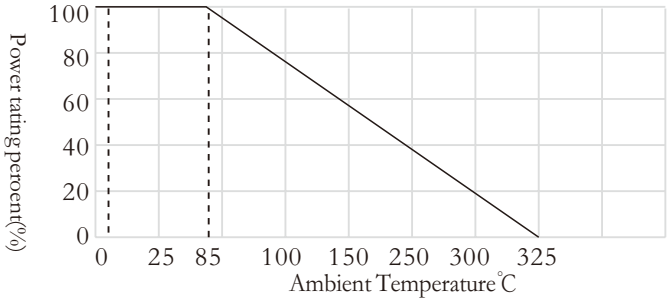
Reference Standards

IEC 60115-1

Applications And Ratings

Type	Power rating at 85℃	Resistance Value	
		MIN.	MAX.
FLP-1	1W	R003	R051
FLP-2	2W	R0040	R068
FLP-3	3W	R0056	R10

Derating Curve



Performance Characteristics

Parameter / Performance Test & Test Method	Performance Requirements
Power Rating (Rated Ambient Temperature)	Full power dissipation at 85℃ and linearly derated to zero at +325℃
Insulation	Not Insulated
Resistance Tolerance	±10%[K]; ±5%[J]; ±3%[H]; ±2%[G]; ±1%[F]
Temperature Range	-55℃ to+325℃ with suitable derating as per derating curve above
Voltage Rating / Limiting Voltage / Max. Working Voltage	$\sqrt{P \times R}$
Short time Overload (5 x Rated Power for 5 Secs.)	ΔR ± [0.75 % R0+ R0005]- Average ΔR ± [1.25 %R0 + R0005]- For resistance values near maximum range
Temperature Co-efficient of Resistance (Measured from -55℃ to +125℃ referenced to +30℃)	TCR To ±20 ppm/℃ [Depending on resistance value]
Damp Heat (Steady State) (40℃ at 93 % R.H. for 1000 Hrs. – no load applied)	ΔR ± [0.5 %R0 + R0005] – Average
Endurance – Load Life [70℃with limiting voltage -1.5 hours on / 0.5 hours off for 1000 hours]	ΔR ± [2.75 %R0 + R0005]-Average
Resistance to Soldering heat - (260°C-270°C for 10 Secs)	Δ R ± [0.2 % R0+ R0005]-Typical
Solderabillity (As per IEC pub. 60068-2-20)	Must meet the requirements laid down