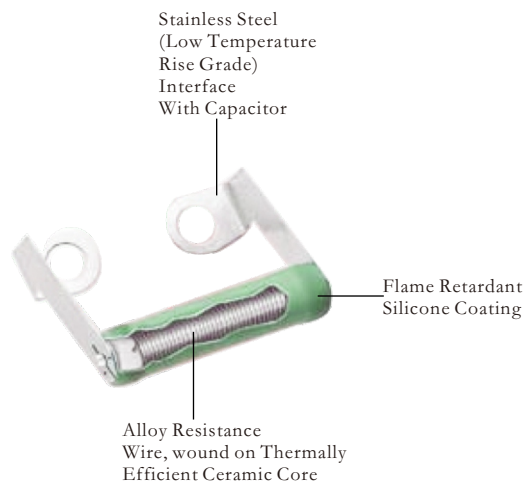


RWG wire wound resistor



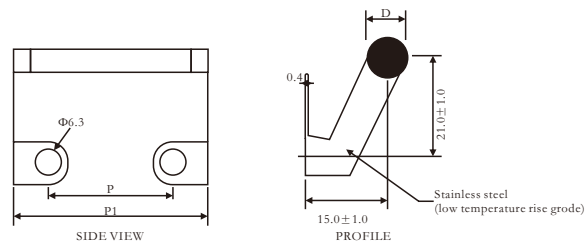
Constructions



Features

- I Grey flame-retardant coating
- II Ceramic core and high Al_2O_3
- III Excellent stability, high reliability

Dimensions



Type	Power Rating (W)		Dimensions(mm)		
	at 70°C	at 25°C	$D \pm 1.0$	$P \pm 1.0$	$P1(\text{max})$
RWG8	8W	10W	9.65	22.30	38.0
RWG11	11W	13W	9.65	31.85	49.0
RWG22	22W	25W	9.65	48.85	66.0

Ordering Information

Example:

RWG	8	J	15K0
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type: RWG SERIES

(2)Power Rating: 8=8W、11=11W、22=22W

(3)Tolerance: F= $\pm 1\%$ 、G= $\pm 2\%$ 、H= $\pm 3\%$ 、J= $\pm 5\%$

(4)Resistance Value:15K0=15K、47K0=47K

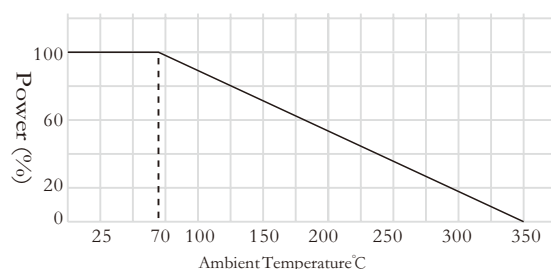
Reference Standards

JISC 5201-1、IEC60115-1

Applications And Ratings

Type	Power Rating (W)		Resistance Range	
	at 70°C	at 25°C	min	max
RWG8	8W	10W	1K	75K
RWG11	11W	13W	1K	110K
RWG22	22W	25W	1K	120K

Derating Curve



● Performance Characteristics

PARAMETER/ PERFORMANCE TEST& TEST METHOD	PERFORMANCE REQUIREMENTS JISC 5201-1、IEC60115-1
Power Rating(Rated Ambient Temperature) to zero at 350°C (Refer Derating Curve above)	Full power dissipation at 70°C and linearly derated
Resistance Tolerances Available	± 10%(K); ± 5%(J); ± 3%(H); ± 2%(G); ± 1%(F)
Temperature Range	-55°C to +350°C with suitable derating as per derating curve
Voltage Rating/Limiting Voltage/Max.Working Voltage	$V = \sqrt{P \times R}$
Voltage Proof/dielectric withstanding voltage (based on limiting voltage x 2 or 500V whichever is applicable)	$\Delta R \leq \pm (1\%R0 + R05)$
Temperature Coefficient of Resistance	± 90 or ± 30ppm/°C depending on wire selected
Short time Overload(10 x Rated power for 5secs)	$\Delta R \leq \pm (2\%R0 + R05)$
Insulation Resistance(Test method no.302 of MIL 202F)	>1000M(Dry) >100M(Wet)
Endurance-Load life(70°C with limiting voltage-1.5 hours on /0.5 hours off for 1000 hours)	$\Delta R \leq \pm (5\%R0 + R05)$
Solvent Resistance(IPA for 60 secs ± 10secs)	No effect to coating/ marking or case filling
Vibration Test(As per IEC 60571-1)	No effect