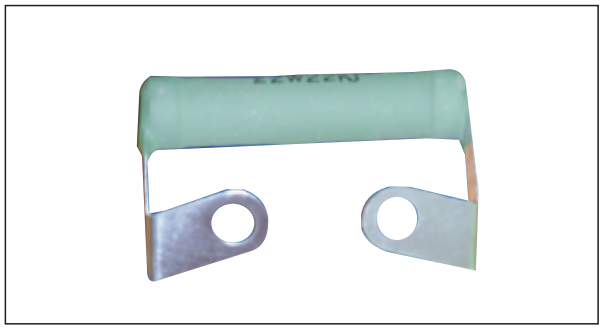
KHX® RWG Wire Wound Resistors



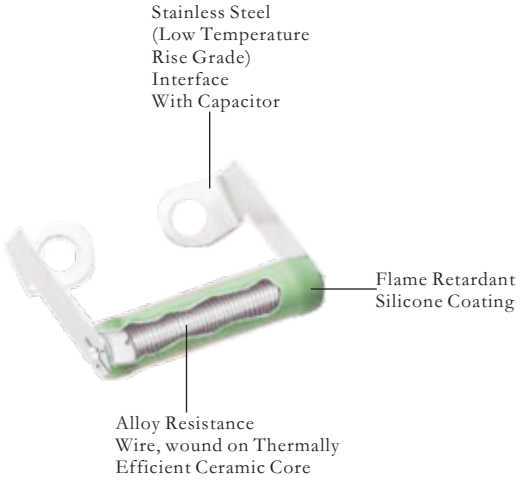
Features

Ⅰ Grey flame-retardant coating

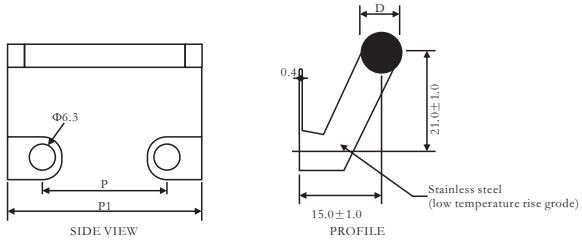
Ⅱ Ceramic core and high Al_2O_3

Ⅲ Excellent stability , high reliability

Constructions



Dimensions



Type	Power Rating (W)		Dimensions(mm)		
	at 70℃	at 25℃	D±1.0	P±1.0	P1(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=±1%、G=±2%、H=±3%、J=±5%

(4)Resistance Value:15K0=15K、47K0=47K

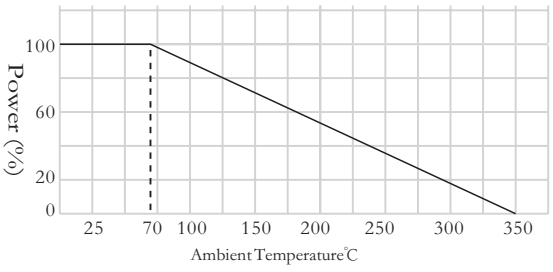
Reference Standards

JISC 5201-1、IEC60115-1

Applications And Ratings

Type	Power Rating (W)		Resistance Range	
	at 70℃	at 25℃	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℃ (Refer Derating Curve above)	Full power dissipation at 70℃ and linearly derated
Resistance Tolerances Available	±10%(K);±5%(J);±3%(H);±2%(G);±1%(F)
Temperature Range	-55℃ to +350℃ 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)	ΔR≤ ±(1%+R05)
Temperature Coefficient of Resistance	±90 or ±30ppm/℃ depending on wire selected
Short time Overload(10 x Rated power for 5secs)	ΔR≤ ±(2%+R05)
Insulation Resistance(Test method no.302 of MIL 202F)	>1000M(Dry) >100M(Wet)
Endurance-Load life(70℃ with limiting voltage-1.5 hours on /0.5 hours off for 1000 hours)	ΔR≤ ±(5%+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