

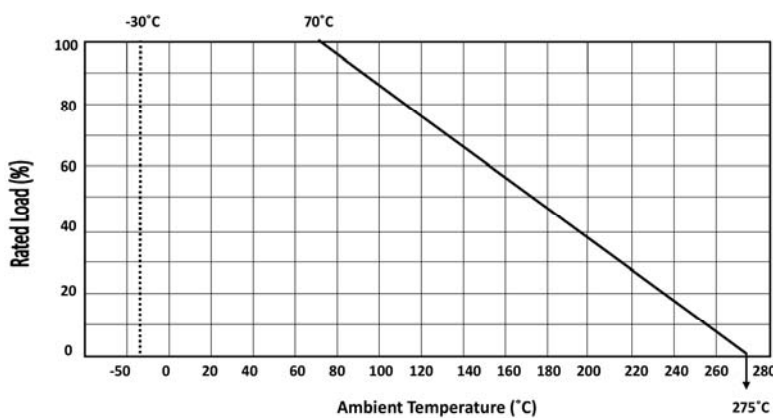
WIREWOUND RESISTORS

FLAME-PROOF COATING KNP(RW)TYPE

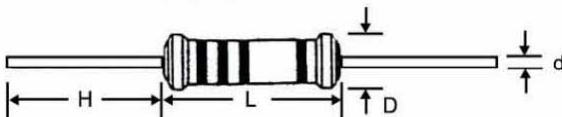
KNP(RW) type is to wind the resistance wire on a alkaliless ceramic core, coated with non-corrosive and high in-sulating heat proof material.

1. Super heat dissipation.
2. Small linear temperature coefficient.
3. Instant overload capability.
4. Low noise figure and without annual shift on resistance value

Derating Curve

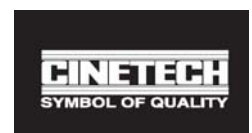


Dimensions

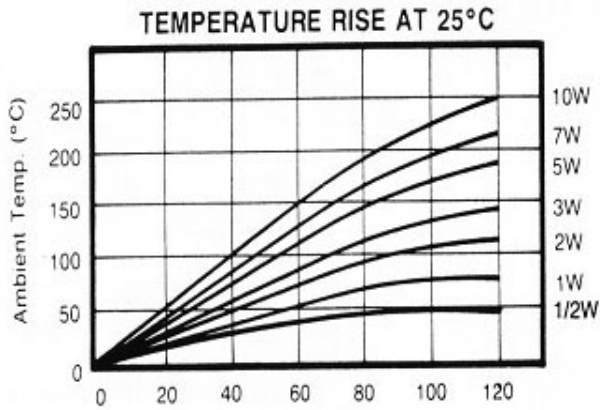


Type		Dimensions (mm)				Resistance Range (Ω)
KNPS	KNP	$D \pm 0.5\text{mm}$	$L \pm 1.5\text{mm}$	H (MIN)	$d \pm 0.05\text{mm}$	
1/2W	1/4W	2.3	6.5	25	0.55	0.1~47 Ω
KNPSS1W		2.3	6.5	25	0.55	0.1~47 Ω
1W	1/2W	3.5	9	27	0.60	0.1~47 Ω
2W	1W	4	11	27	0.75	0.1~150 Ω
3W	2W	5.5	15	27	0.75	0.1~200 Ω
5W	3W	6.5	18	27	0.75	0.1~400 Ω
7W	5W	8.5	25	27	0.75	0.1~1K
8W	7W	8.5	32	27	0.75	0.1~1K
10W	8W	8.5	42	27	0.75	0.1~2K
	10W	8.5	53	27	0.75	0.1~4K7

Note: Resistance up to 27 Ω maximum for Non-inductive type
Lower or Higher resistance values other than the list are also available



Surface Temp Rise At 25 °C



Test Items	Condition	Spec.
Resistance Temp. Coeff	- 33°C~200°C	±300 ppm/°C Standard
Short Time Over Load	5 time of rated voltage for 5 sec.	±2%
Rated Load	Rated watt 30 min.	±1%
Voltage Durability	500V AC 1min.	not changed
Insulation Resistance	500V megger	500MΩ
Temp. Cycle	- 33°C~85°C for 5 cycles	±1%
Load Life	70°C on-off cycle 1,000 hrs.	±5%
Moisture-Proof Load Life	40°C 95% RH on-off cycle 500 hrs.	±3%
Incombustibility	16 times of rated wattage for 5 min.	not flamed

Parts Number System

KNP	—	2W	101	J	B
KNP- Wire Wound Resistor with Flameproof Coating Axial Type KNPS- Small Size Wire wound Resistor	Wattages	Resistance	Tolerance	Packing Code	
		3 Digit code for 5% tolerance 4 Digit code for 1% tolerance	J = ±5% F = ±1%	R=Tape/Reeled T=Ammo Tape/Box B=Bulk Pack	

Note: 52, 63 and 73 MM taping are available for different Wattages

