

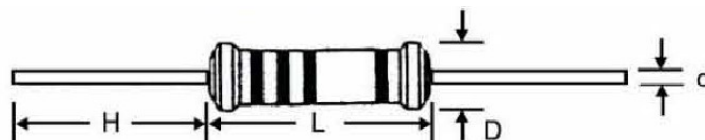
WIREWOUND RESISTORS

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.

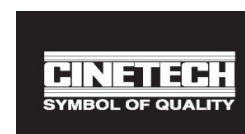
1. Super heat dissipation.
2. Small linear temperature coefficient.
3. Instant overload capability.
4. Low noise figure and without annual shift on resistance value

Dimensions

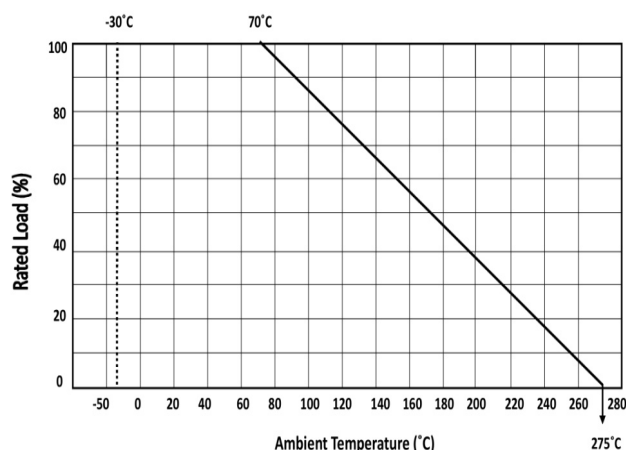


Type		Maximum Working Voltage	Maximum Overload Voltage	Dielectric Withstanding Voltage	Dimensions (mm)				Resistance Range ±1%, ±5%
KNPS	KNP				D	L	H (Min.)	d ±0.05mm	
1/2W	1/4W	250V	350V	300V	2.3± 0.5	6.5± 1.0	25	0.55	0.1 ~ 47Ω
1WSS		250V	350V	300V	2.3± 0.5	6.5± 1.0	25	0.55	0.1 ~ 47Ω
1W	1/2W	250V	350V	300V	3.5± 0.5	9± 1.0	27	0.60	0.1 ~ 47Ω
2WSS		300V	450V	400V	3.5± 0.5	9± 1.0	27	0.60	0.1 ~ 100Ω
2W	1W	300V	450V	400V	4.0± 1.0	11± 1.5	27	0.75	0.1 ~ 150Ω
3WSS		300V	450V	400V	4.0± 1.0	11± 1.0	27	0.75	0.1 ~ 150Ω
3W	2W	300V	450V	400V	5.5± 1.0	15± 1.0	27	0.75	0.1 ~ 200Ω
5W	3W	300V	450V	400V	6.5± 1.0	18± 1.5	27	0.75	0.1 ~ 400Ω
7W	5W	300V	450V	400V	8.5± 1.0	25± 1.5	27	0.75	0.1 ~ 1K
8W	7W	300V	450V	400V	8.5± 1.0	32± 1.5	27	0.75	0.1 ~ 1K
10W/ (11W)	8W	300V	450V	400V	8.5± 1.0	42± 1.5	27	0.75	0.1 ~ 2K
12W	10W	300V	450V	400V	8.5± 1.0	53± 1.5	27	0.75	0.1 ~ 4K7
Operating Temp. Range		-55°C~+155°C							
Resistance Temp. Coff.		Standard ±300ppm/°C, * Lower TCR ± 25. 50, 100ppm available upon request.							

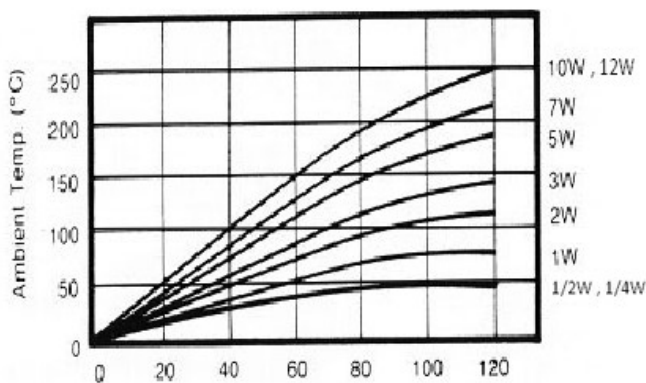
- Note:
1. Resistance up to 27 Ω maximum for Non-inductive type
 2. Low or High values are available on request.



Power Derating Curve



Temperature Rise



Electrical Characteristics

Performance Test	Test Method	Appraise
Short Time Overload	2.5 times RCWV for 5 sec.	$\pm 2\% + 0.05\Omega$
Dielectric Withstandng Voltage	In V-Block for 60 seconds	By Type
Insulation Resistance	In V-Block	$> 100M\Omega$
Load Life In Humidity	40 $\pm$ 2°C 90~95%RH at RCWV for 1000hrs. (1.5hrs. On; 0.5hrs. Off)	$\pm 5\% + 0.05\Omega$
Load Life	70°C at RCWV for 1000hrs. (1.5hrs.)	$\pm 5\% + 0.05\Omega$
Solder Ability	260 $\pm$ 5°C for 2 $\pm$ 0.5 seconds	95% min. coverage
Terminal Strength	Direct load for 10 sec. In the direction off the terminal leads.	$\geq 2.5kg$

Parts Number System

KNP	200S	101	J	B	C
Wire Wound Resistor With Flameproof Coating Axial Type	Wattages	Resistance	Tolerance	Packing Code	T.C.R
KNP - Wire Wound Resistor		3 Digit code for 5% tolerance	J = $\pm 5\%$	R= Tape/Reeled	No marking = 300ppm
KNPS - Small size wire wound Resistor		4 Digit code for 1% tolerance	F = $\pm 1\%$	T= Ammo Tape/box	K = 100ppm
NKNP-Non-inductive W/W resistor				B= Bulk Pack	C = 50ppm E = 25ppm

Note: 1. 52, 63, and 73mm taping are available for different Wattages.

2. Wattages: 1W = 100; 2W=200; 3W=300; 5W=500; 7W=700; 8W=800; 10W/(11W)=10W ...

3. "S" - Small size wire wound Resistor

"SS" - ultra small size wire wound Resistor

