



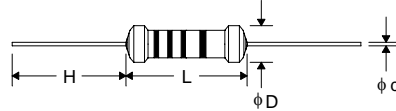
KNP-SERIES

WIREWOUND RESISTORS

FLAME-PROOF

PRECISION RESISTIVE PRODUCTS, INC.
 202 MACK LANE, MEDIAPOLIS, IA 52637
 (319)394-9131 FAX (319)394-9280
 E-Mail info@prpinc.com
 PRP HOME PAGE <http://www.prpinc.com>

- Ceramic Core
- Lead: Tin Plated Copper
- Cap: Tin Plated Steel Cap
- Coating: Silicone
- Wire: Cu-Ni or Ni-Cr Wire



Specifications

Style		Dimensions (mm)				Resistance Range (Ω)*
KNPS	KNP	L ± 1.5	D ± 0.5	d ± 0.05	H(min)	
1/2W	1/4W	6.5	2.3	0.55	25	0.1 - 27R
1W	1/2W	9	3.5	0.60	27	0.1 - 47R
2W	1W	11	4.0	0.75	27	0.1 - 150R
3W	2W	15	5.5	0.75	27	0.1 - 200R
5W	3W	18	6.5	0.75	27	0.1 - 400R
7W	5W	25	8.5	0.75	27	0.1 - 1K
8W	7W	40	8.5	0.75	27	0.1 - 1K
10W	8W	45	8.5	0.75	27	0.1 - 2K
	10W	53	8.5	0.75	27	0.1 - 4.7K

Operating Temperature Range -55°C to 275°C

Note: Non inductive resistance windings available to 27 Ω .

* Lower or higher resistance values other than listed are available on special request.

Temperature Coefficient \blacklozenge

-30°C to 200°C ± 300 PPM/°C

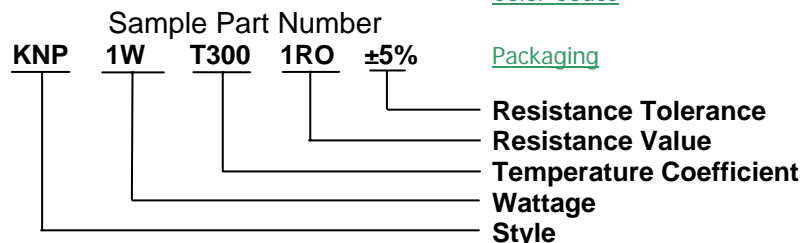
Resistance Tolerance $\pm 5\%$ @ 25°C

\blacklozenge Tighter Temperature Coefficient's & Tolerances available on special request.



DEDICATION TO EXCELLENCE

How to Order



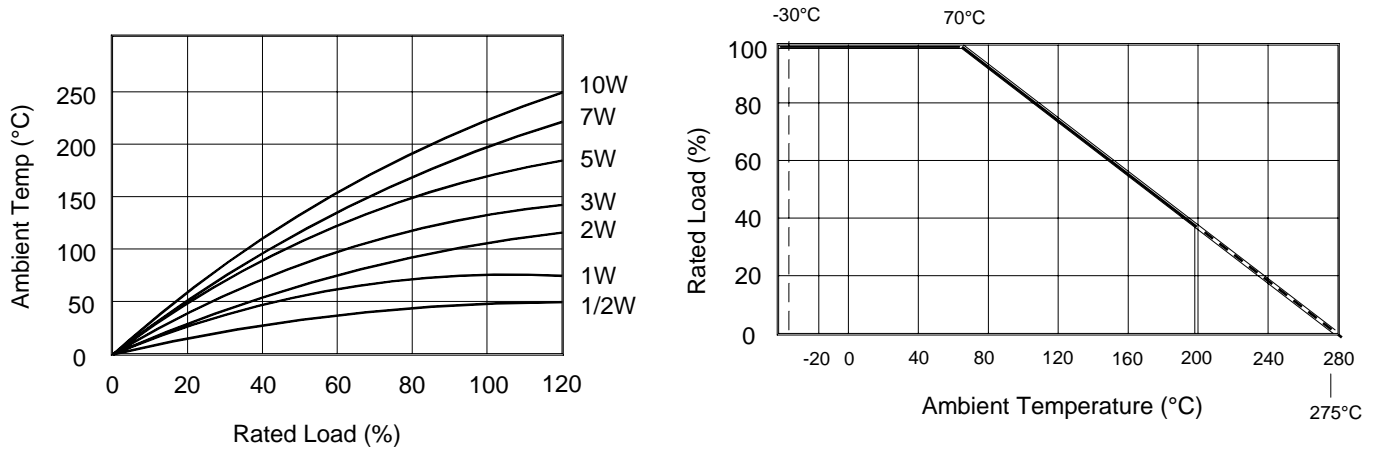
Add "T" at the end of the Style portion of the part number for lead free termination.

[Standard Decade Values](#)

[Color Codes](#)

[Packaging](#)

Temperature Rise at 25°C Derating Curve



Environmental and Electrical

Requirements	Condition	Spec.
Resistance Temp. Coef.	-30°C ~ +200°C	±300 PPM/°C
Short Time Overload	5 times of rated wattage for 5 sec.	±2%
Rated Load	Rated wattage 30 min.	±1%
Dielectric Strength	500VAC 1 min.	no change
Insulation Resistance	500VDC Insulation Test	1000 MΩ
Temperature Cycling	-30°C ~ 85°C 5 cycles	±1%
Load Life	70°C on-off cycle 1000 hrs.	±5%
Moisture Resistance	40°C 95% RH on-off cycle 500 hrs.	±3%
Flammability	6 times of rated wattage for 5 min.	no flame

PACKAGING: Tape and Reel
 PIECES PER REEL: KNP 1/2W and 1W 2500
 KNP 2W, 3W and 5W 1000
 KNP 7W 500
 BULK: KNP 8W and 10W 100

 MARKING: Color banding to KNPS-7W/KNP-5W
 Alpha-Numeric on other sizes