

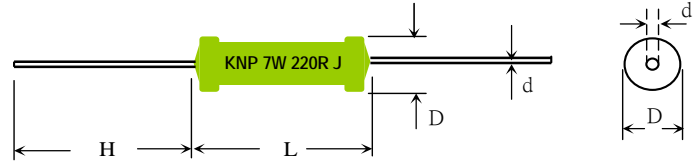
Wirewound Resistors - KNP 7W.10W.15W

FEATURES

- Small size and low cost
- Super heat dissipation, instant overload capability
- Flameproof coating
- Standard Tolerance: $\pm 5\%$
- Standard Value: E24 series as range below
- Lettering marking
- Body Color: Green
- Available in non-inductive style (As NKNP type)
- Bulk package only

MATERIAL

- Core: High purity ceramic Al_2O_3
- Element: Alloy Resistance Wire
- Termination: Standard solder-plated cooper lead
- Coating: Green silicone



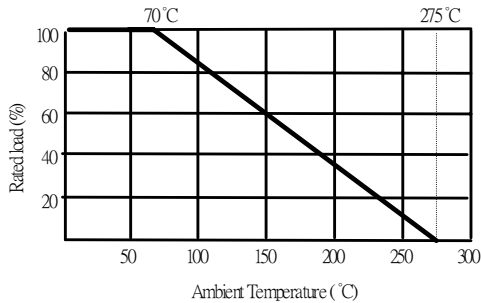
GENERAL SPECIFICATION

TYPE	DIMENSION (mm)				POWER RATING	MAXIMUM WORKING VOLT.	RESISTANCE RANGE	
	L ± 1.0	D ± 1.0	H ± 3.0	d ± 0.05			STANDARD	MAXIMUM
KNP 7W	30.0	8.0	38.0	0.80	7W	$E = \sqrt{P \times R}$	1 Ω ~ 470 Ω	3K Ω
KNP10W	42.0	8.0	38.0	0.80	10W		2 Ω ~ 1K Ω	4.7K Ω
KNP15W	53.0	8.0	38.0	0.80	15W		2 Ω ~ 1.5K Ω	4.7K Ω

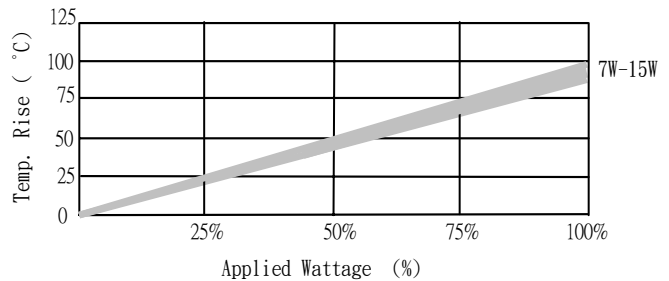
* Maximum overload voltage equals to $\sqrt{P \times R \times 10}$, P=wattage power, R=ohmic value

* Consult factory for values out of above range, precise tolerance and the range of NKNP type

DERATING CURVE



TEMPERATURE RISE



CHARACTERISTIC

Temperature Coefficient	± 250 ppm
Load Life (1000 hours)	$< \pm 5\% + 0.05 \Omega$
Shorttime Overload	$< \pm 2\% + 0.05 \Omega$
Temperature Cycling	$< \pm 1\% + 0.05 \Omega$
Moisture Resistance	$< \pm 5\% + 0.05 \Omega$
Shock & Vibration	$< \pm 1\% + 0.05 \Omega$
Effect of Soldering	$< \pm 2\% + 0.05 \Omega$

HOW TO ORDER :

<u>KNP100</u>	<u>J</u>	<u>B</u>	<u>10R</u>
↓	↓	↓	↓
Type/Power	Tol.	Package	Resistance
KNP 7W	F= $\pm 1\%$	B=Bulk	10R = 10 Ω
KNP10W	G= $\pm 2\%$	Lead forming	1K2 = 1.2K Ω
KNP15W	J= $\pm 5\%$	M	1M = 1M Ω
		F	

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