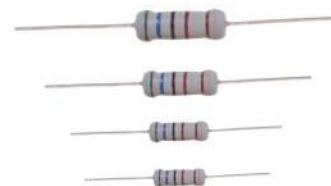


INTRODUCTION

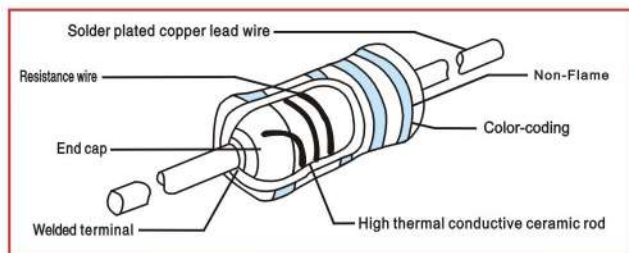
KNP, Wire wound resistor, is with the features of superior heat and pulse resistance as well as high reliability. It is suitable for high-power circuits of electronic devices.

FEATURES

- Superior heat resistance
- Superior pulse resistance
- High reliability
- Can Offer Non-Inductive



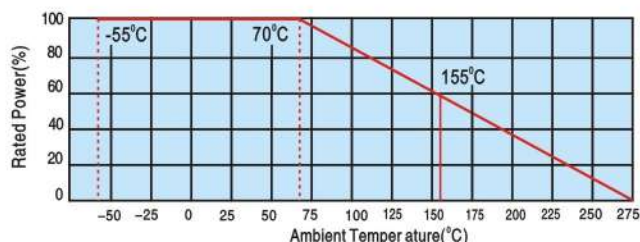
CONSTRUCTION



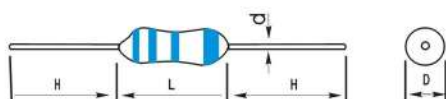
CHARACTERISTICS

Test Items	Specified Value
Temp. coefficient of resistance	$\pm 300 \text{ PPM}/^\circ\text{C}$
Short time overload	$\pm (2\%+0.05\Omega)$
Dielectric withstanding voltage	No evidence of damage
Insulation resistance	Over $10^4 \text{ M}\Omega$
Terminal strength	No evidence of damage
Moisture load life	$\pm (5\%+0.05\Omega)$
Load life at 70°C	$\pm (5\%+0.05\Omega)$
Temperature cycling	$\pm (2\%+0.05\Omega)$
Resistance to soldering heat	$\pm (2\%+0.05\Omega)$
Resistance to soldering heat	Over 95%
Resistance to solvent	No evidence of damage
Flame proof	No evidence of damage

DERATING CURVE



STYLE



DIMENSIONS

TYPE	Dimensions (mm)				Power Rating	Resistance Range
	L	D	d	H		
KNP1/2W	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	25 ± 3	0.5W	$0.01 \Omega \sim 600 \Omega$
KNP1W	12.0 ± 1.0	4.0 ± 0.5	0.60 ± 0.02	25 ± 3	1W	$0.01 \Omega \sim 6K$
KNP2W	15.0 ± 1.0	5.0 ± 1.0	0.70 ± 0.02	23 ± 3	2W	$0.01 \Omega \sim 12K$
KNP3W	17.0 ± 1.0	6.0 ± 1.0	0.70 ± 0.02	25 ± 3	3W	$0.01 \Omega \sim 15K$
KNP4W	24.0 ± 1.0	7.5 ± 1.0	0.70 ± 0.02	25 ± 3	4W	$0.01 \Omega \sim 15K$
KNP5W	24.0 ± 1.0	7.5 ± 1.0	0.70 ± 0.02	25 ± 3	5W	$0.01 \Omega \sim 20K$
KNP6W	24.0 ± 1.0	7.5 ± 1.0	0.70 ± 0.02	25 ± 3	6W	$0.01 \Omega \sim 20K$
KNP8W	32.0 ± 1.0	8.5 ± 1.0	0.70 ± 0.02	25 ± 3	8W	$0.01 \Omega \sim 25K$
KNP10W	32.0 ± 1.0	8.5 ± 1.0	0.70 ± 0.02	25 ± 3	10W	$0.01 \Omega \sim 30K$
KNP12W	37.0 ± 1.0	8.5 ± 1.0	0.70 ± 0.02	25 ± 3	12W	$0.01 \Omega \sim 33K$
KNP15W	42.0 ± 1.0	8.5 ± 1.0	0.70 ± 0.02	25 ± 3	15W	$0.01 \Omega \sim 36K$
KNP20W	52.0 ± 1.0	8.5 ± 1.0	0.70 ± 0.02	25 ± 3	20W	$0.01 \Omega \sim 47K$
KNP30W	77.0 ± 1.0	8.5 ± 1.0	0.70 ± 0.02	25 ± 3	30W	$0.01 \Omega \sim 50K$
KNP2WSS	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	25 ± 3	1W	$0.01 \Omega \sim 6K$
KNP3WSS	11.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	25 ± 3	2W	$0.01 \Omega \sim 12K$
KNP5WSS	15.0 ± 1.0	5.0 ± 1.0	0.70 ± 0.02	23 ± 3	3W	$0.01 \Omega \sim 15K$

SURFACE TEMP. RISE

