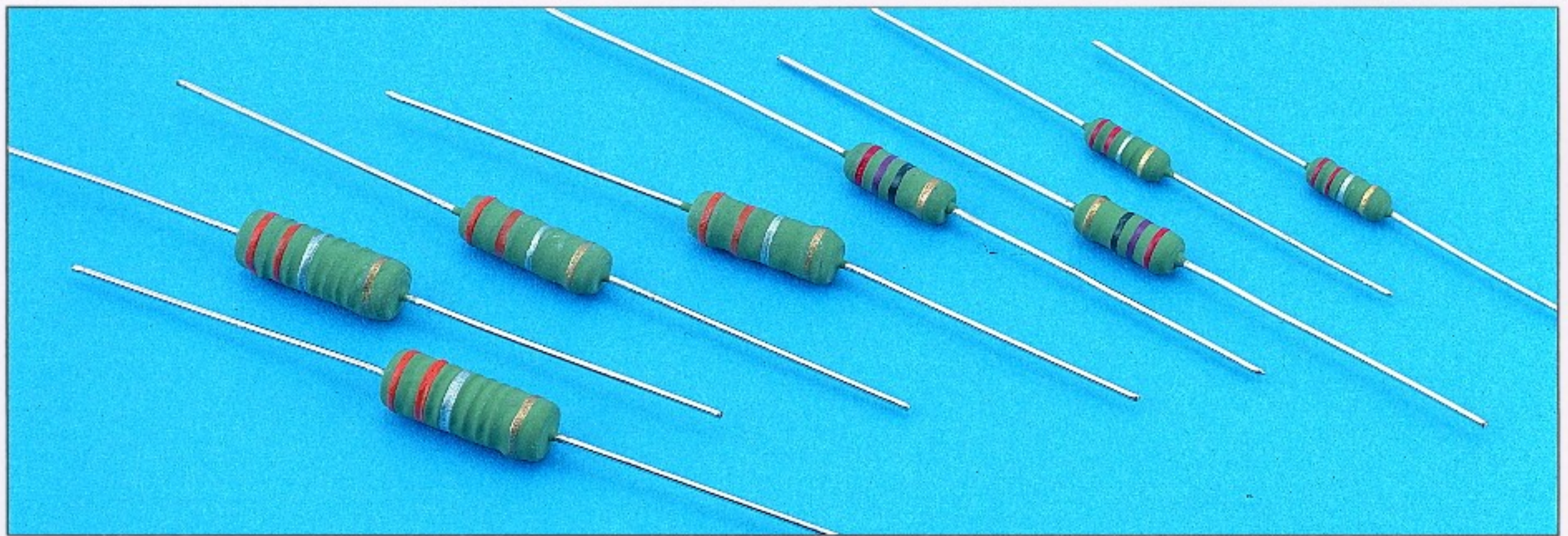


# WIREWOUND RESISTORS

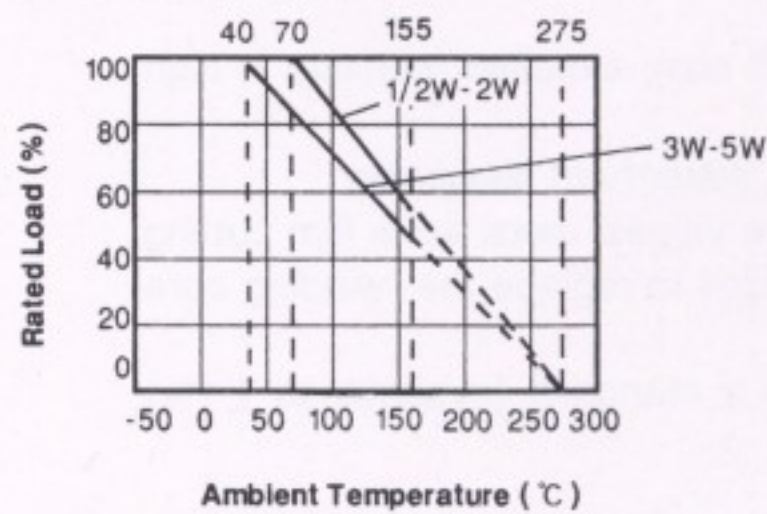
## KNP TYPE



### FEATURE

- Small size and low cost when compared with other wirewound resistors.
- Super heat dissipation. Instant overload capability.
- Flame-proof coating, resistant to solvent.
- Tolerance of 5% is standard.
- Mini-size is available.
- Non-inductive is available as N-KNP type.

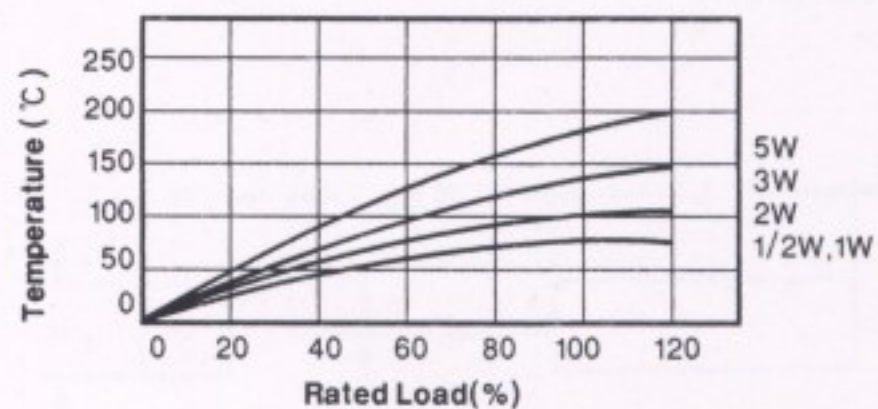
### DERATING CURVE



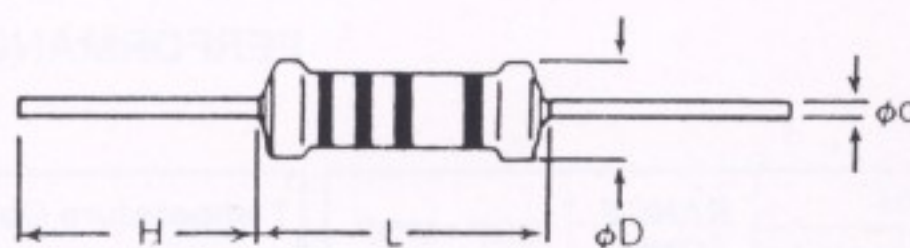
### PERFORMANCE

Temperature Coefficient	$\pm 300$ PPM/°C
Load Life(1,000 hours)	$\pm 5\% + 0.05 \Omega$
Short-time Overload	$\pm 2\% + 0.05 \Omega$
Dielectric Withstanding Volt	500V
Moisture Resistance	$\pm 5\% + 0.05 \Omega$
Shock and Vibration	$\pm 1\% + 0.05 \Omega$
Effect of Soldering	$\pm 2\% + 0.05 \Omega$

### TEMPERATURE RISE



### DIMENSIONS



### GENERAL SPECIFICATIONS

TYPE	RATED WATTS	DIMENSION(mm)				RESISTANCE RANGE	
		$D \pm 1.0$	$L \pm 1.0$	$H \pm 3.0$	$d \pm 0.05$	STANDARD	MAXIMUM
KNP-0.5W	1/2W	3.0	9.0	28	0.65	0.1-80 $\Omega$	300 $\Omega$
KNP-1WS	1W	3.0	9.0	28	0.65	0.1-80 $\Omega$	300 $\Omega$
KNP-1W	1W	4.0	11.0	35	0.8	0.1-100 $\Omega$	1.5K $\Omega$
KNP-2WS	2W	4.0	11.0	35	0.8	0.1-100 $\Omega$	1.5K $\Omega$
KNP-2W	2W	5.0	15.0	35	0.8	0.1-100 $\Omega$	2K $\Omega$
KNP-3WS	3W	5.0	15.0	35	0.8	0.1-100 $\Omega$	2K $\Omega$
KNP-3W	3W	6.0	17.0	38	0.8	0.1-150 $\Omega$	3K $\Omega$
KNP-5W	5W	8.0	25.0	38	0.8	0.1-400 $\Omega$	4K $\Omega$