

# Wirewound Resistor - KNP, KNS, NKNP Series



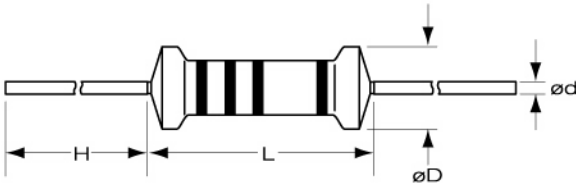
## INTRODUCTION

Wire wound resistors are made by winding the resistance wire non-corrosive, heat-proof and humidity-proof material.

## FEATURES

- Delivery from stock in bulk taped, and strip pack.
- Exceptional long-term stability.
- Standard tolerance:  $\pm 5\%$  ,  $\pm 2\%$  ,  $\pm 1\%$  ,

## DIMENSIONS:



STYLE		DIMENSION (mm)			
Normal	Miniature	L	øD	H	ød
KNP-1/2W	KNS-1W	9.0±1.0	3.5±0.5	26±2.0	0.58±0.05
KNP-1W	KNS-2W	11.5±1.0	4.5±0.5	35±2.0	0.78±0.05
KNP-2W	KNS-3W	15.5±1.0	5.0±0.5	33±2.0	0.78±0.05
KNP-3W	KNS-4W	17.5±1.0	6.0±0.5	32±2.0	0.78±0.05
KNP-4W	KNS-5W	17.5±1.0	6.0±0.5	32±1.0	0.78±0.05
KNP-5W	KNS-7W	24.5±1.0	8.0±0.5	38±1.0	0.78±0.05
KNP-7W	KNS-10W	30±1.0	8.0±0.5	38±1.0	0.78±0.05
KNP-8W		40±1.0	8.0±0.5	38±1.0	0.78±0.05
KNP-10W		53±1.0	8.0±0.5	38±1.0	0.78±0.05

## ELECTRICAL CHARACTERISTICS:

Style	Power Rating 70°C	KNP-1/2W	KNP-1W	KNP-2W	KNP-3W	KNP-4W	KNP-5W	KNP-7W	KNP-8W	KNP-10W
		KNS-1W	KNS-2W	KNS-3W	KNS-4W	KNS-5W	KNS-7W	KNS-10W		
Operating Temp. Range		-55°C ~ +155°C								
Dielectric Withstanding Voltage (AC)		500V	500V	500V	500V	500V	500V	500V	800V	1000V
Value Range $\pm 5\%$		0.1Ω ~300Ω	0.1Ω ~499Ω	0.1Ω ~1.5KΩ	0.1Ω ~1.5KΩ	0.1Ω ~1.5KΩ	0.5Ω ~3KΩ	0.5Ω ~3KΩ	1Ω ~3KΩ	1Ω ~3KΩ
Temp. Coefficient (by Type)		$\pm 350$ ppm								

- \* a. Standard resistance is as the above list, below or over this resistance is on request.
- b. Value for NKN Non-Inductive type is up to 50Ω only.

FIG.1 DERATING CURVE

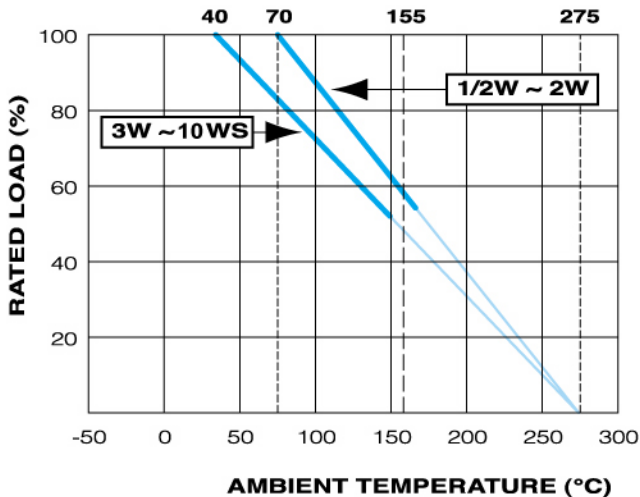


FIG.2 TEMPERATURE RISE

