



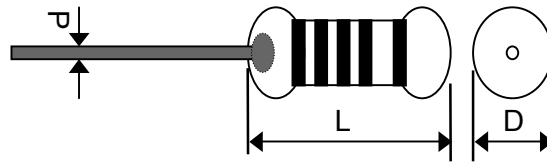
General Resistors

Wirewound Resistors - KNP, KNPN Series / 绕线电阻器

KNP and KNPN Series construction consists of a measured length of resistance wire (metal alloy) wound on a core (usually a ceramic). The element assembly is then protected by a coating or enclosure of insulating material (such as: vitreous enamel, silicone, cement, epoxy, etc.). KNP/KNPN is typically used where large power dissipation is required and where AC performance is relatively unimportant. Token provides KNP normal type, and KNPN non-inductive type.



► Wirewound Resistor General Specifications



Type	Rated Watts	Dimensions (mm)				Resistance Range (Ω)	Tolerance
		$D \pm 0.5$	$L \pm 1$	$H \pm 3$	$d \pm 0.05$		
KNP	KNP-50	1/2W	4	9.0	26	0.50~0.55	$\pm 1\% \sim 5\%$
	KNP-100	1W	4	9.0	26	0.50~0.55	
	KNP-100B	1W	4.5	11.5	26	0.75~0.80	
	KNP-200	2W	4.5	11.5	26	0.75~0.80	
	KNP-200B	2W	5.5	15.5	35	0.75~0.80	
	KNP-300	3W	5.5	15.5	35	0.75~0.80	
	KNP-400	4W	6.5	17.5	35	0.75~0.80	
	KNP-500	5W	6.5	17.5	35	0.75~0.80	
	KNP-500B	5W	8.5	24.5	38	0.75~0.80	
	KNP-600	6W	8.5	24.5	38	0.75~0.80	
	KNP-700	7W	8.5	24.5	38	0.75~0.80	
	KNP-800	8W	8.5	42	38	0.75~0.80	
	KNP-1000	10W	8.5	42	38	0.75~0.80	
	KNP-1000B	10W	8.5	54	38	0.75~0.80	
KNP-1250	12.5W	8.5	54	38	0.75~0.80		
KNPN	KNPN-50	1/2W	4	9.0	26	0.50~0.55	$\pm 1\% \sim 5\%$
	KNPN-100	1W	4	9.0	26	0.50~0.55	
	KNPN-100B	1W	4.5	11.5	26	0.75~0.80	
	KNPN-200	2W	4.5	11.5	26	0.75~0.80	
	KNPN-200B	2W	5.5	15.5	35	0.75~0.80	
	KNPN-300	3W	5.5	15.5	35	0.75~0.80	
	KNPN-400	4W	6.5	17.5	35	0.75~0.80	
	KNPN-500	5W	6.5	17.5	35	0.75~0.80	
	KNPN-500B	5W	8.5	24.5	38	0.75~0.80	
KNPN-600	6W	8.5	24.5	38	0.75~0.80		



General Resistors

► Electrical Performance - Wirewound Resistor

TEST ITEMS	CONDITION	SPEC
Resistance Temp. Coeff.	-55 °C ~ 155 °C	± 300 PPM / °C
Short Time Overload	10 times of rated wattage for 5 sec.	± 2 %
Rated Load	Rated wattage 30 min.	± 1 %
Voltage Withstanding	500VAC 1 min	± 1 %
Temperature Cycling	-20 °C ~ 85 °C 5 cycles	± 1 %
Load Life	70 °C on ~ off cycle 1000 hrs.	± 5 %
Moisture-Proof Load Life	40 °C 95% RH on ~ off cycle 500 hrs.	± 3 %
Incombustibility	16 times of rated wattage for 5 min	not flamed

► How to Order

KNP-100

❶

1W

❷

1R

❸

J

❹

TB/P

❺

- ❶ Product type
- ❷ Rated Power
- ❸ Resistance Value (Ω)
- ❹ Resistance Tolerance
- ❺ Packaging

