

**Power resistors**

<b>Order code</b>	<b>Manufacturer code</b>	<b>Description</b>
62-8310	KNP-600-1R	1R 6W WIREWOUND POWER RESISTOR (RC)
62-8312	KNP-600-1R5	1R5 6W WIREWOUND POWER RESISTOR (RC)
62-8314	KNP-600-2R2	2R2 6W WIREWOUND POWER RESISTOR (RC)
62-8316	KNP-600-3R3	3R3 6W WIREWOUND POWER RESISTOR (RC)
62-8318	KNP-600-4R7	4R7 6W WIREWOUND POWER RESISTOR (RC)
62-8320	KNP-600-6R8	6R8 6W WIREWOUND POWER RESISTOR (RC)
62-8322	KNP-600-10R	10R 6W WIREWOUND POWER RESISTOR (RC)
62-8324	KNP-600-15R	15R 6W WIREWOUND POWER RESISTOR (RC)
62-8326	KNP-600-22R	22R 6W WIREWOUND POWER RESISTOR (RC)
62-8328	KNP-600-33R	33R 6W WIREWOUND POWER RESISTOR (RC)
62-8330	KNP-600-47R	47R 6W WIREWOUND POWER RESISTOR (RC)
62-8332	KNP-600-68R	68R 6W WIREWOUND POWER RESISTOR (RC)
62-8334	KNP-600-100R	100R 6W WIREWOUND POWER RESISTORS (RC)
62-8336	KNP-600-150R	150R 6W WIREWOUND POWER RESISTOR (RC)
62-8338	KNP-600-220R	220R 6W WIREWOUND POWER RESISTOR (RC)
62-8340	KNP-600-330R	330R 6W WIREWOUND POWER RESISTOR (RC)
62-8342	KNP-600-470R	470R 6W WIREWOUND POWER RESISTOR (RC)
62-8344	KNP-600-680R	680R 6W WIREWOUND POWER RESISTOR (RC)
62-8346	KNP-600-1K	1K 6W WIREWOUND POWER RESISTOR (RC)
62-8348	KNP-600-1K5	1K5 6W WIREWOUND POWER RESISTOR (RC)
62-8350	KNP-600-2K2	2K2 6W WIREWOUND POWER RESISTOR (RC)

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

# WIRE WOUND RESISTORS

KNP (FLAME-PROOF COATING TYPE)

NKNP (NON-INDUCTIVE TYPE)

## INTRODUCTION

### KNP

To wind the alkalineless ceramic core with metal alloy resistance wire and coating with silicon resin which makes wire wound resistor KNP series.

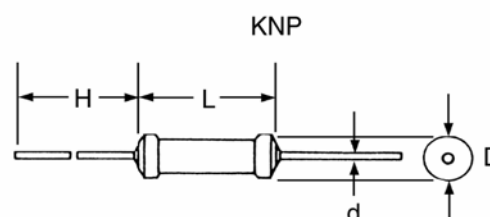
## FEATURE

- High stable pulse characteristics!
- Super heat dissipation!
- Instant overload capability!
- Low noise!
- No annual shift on resistance value!
- Tolerance available:  $\pm 5\%$ ,  $\pm 2\%$ ,  $\pm 1\%$
- High voltage and special tight tolerance are available on request!

## CHARACTERISTICS

REQUIREMENTS	CHARACTERISTICS	TEST METHOD
Temperature Coefficient	$\pm 300\text{PPM}/^\circ\text{C}$ , special 25PPM	JIS, C, 5202, 5, 2
Insulation Resistance	$> 1000\text{M}\Omega$	JIS, C, 5202, 5, 6
Load Life (1,000 hours)	$\pm (3\% + 0.05\Omega)$	JIS, C, 5202, 7, 10
Short-time Overload	$\pm (2\% + 0.05\Omega)$	JIS, C, 5202, 5, 5
Dielectric Withstanding Voltage	$\pm (1\% + 0.05\Omega)$	JIS, C, 5202, 5, 7
Moisture Resistance	$\pm (3\% + 0.05\Omega)$	JIS, C, 5202, 7, 9
Shock and Vibration	$\pm (1\% + 0.05\Omega)$	JIS, C, 5202, 6, 3
Effect of Soldering	$\pm (1\% + 0.05\Omega)$	JIS, C, 5202, 6, 4
Incombustibility	EX16 Times Voltage, 5min.	

\* As variances through measuring, an additional  $+0.05$  is added to the change rate above.



TYPE	RATED POWER	DIMENSIONS (mm)				RESISTANCE RANGE ( $\square$ )		
		D $\pm 1.0$	L $\pm 1.5$	H $\pm 3$	d $\pm 0.1$	STANDARD	SPECIAL	
							HIGH	LOW
KNP-25	1/4W	2.3	6.0	25	0.56	0.1~60	150	0.0067
KNP-50	1/2W	3.2	9.0	25	0.60	0.1~100	350	0.0019
KNP-100S	1W	3.2	9.0	25	0.60	0.1~100	350	0.0019
KNP-100	1W	4.5	11	35	0.80	0.1~100	600	0.0017
KNP-200S	2W	4.5	11	35	0.80	0.1~100	600	0.0017
KNP-200	2W	5.0	15	35	0.80	0.1~100	1.2K	0.0020
KNP-300S	3W	5.0	15	35	0.80	0.1~150	1.2K	0.0020
KNP-300	3W	6.0	17	35	0.80	0.1~150	1.5K	0.0025
KNP-400	4W	6.0	17	35	0.80	0.1~300	1.5K	0.0025
KNP-500	5W	6.0	17	35	0.80	0.1~400	1.5K	0.0025
KNP-500B	5W	8.0	24	35	0.80	0.1~400	2.9K	0.0028
KNP-600	6W	8.0	24	35	0.80	0.1~1K	2.9K	0.0028
KNP-700S	7W	8.0	24	35	0.80	0.1~1.5K	2.9K	0.0028
KNP-700	7W	8.0	39	35	0.80	0.1~1.5K	3.9K	0.0040
KNP-800	8W	8.0	39	35	0.80	0.1~2K	3.9K	0.0040
KNP-1000S	10W	8.0	39	35	0.80	0.1~2K	3.9K	0.0040
KNP-1000	10W	8.0	52	35	0.80	0.1~3K	5.8K	0.0047

\* NKNP series have the same specifications as KNP series except non-inductive characteristics.

\* Stamping for marking of 5W and up.