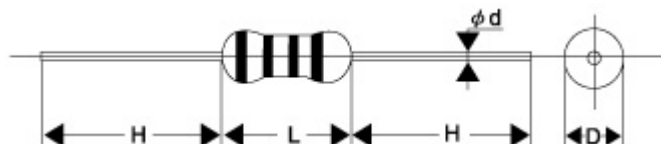


KN--Wire Wound Resistors

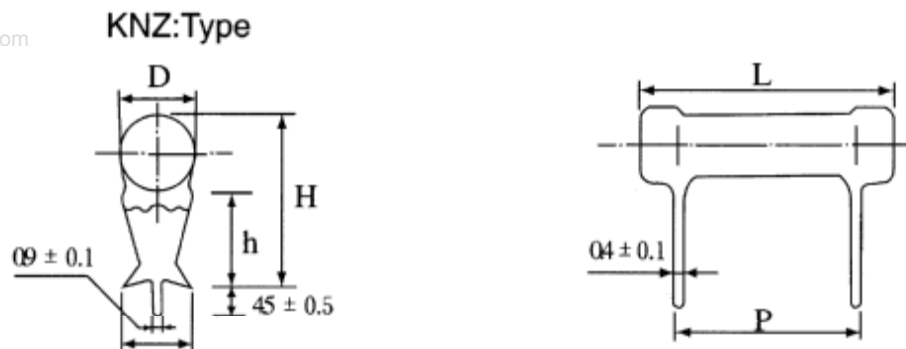
- Excellent Flame Resistance
- Green body color for Normal Size
- Pink body color for small size
- Specifications can be designed according to customers' requirement.
- Non-Inductive Resistors can be supplied based at customers' requests.



EXPLANATION OF SPECIFICATIONS

UNIT: mm

Style	Power Rating	D±1	L Max.	$\begin{matrix} +0.02 \\ d \\ -0.05 \end{matrix}$	H±3	Resistance Range (Ω)
Normal Size						
KNP1/2W	1/2W	4.0	10	0.7	28	0.1-39
KNP1W	1W	5.0	12	0.7	28	0.1-50
KNP2W	2W	5.5	16	0.8	28	0.1-120
KNP3W	3W	6.5	17.5	0.8	28	0.1-200
KNP5W	5W	8.5	26	0.8	28	0.5-470
KNP7W	7W	8.5	32	0.8	28	0.5-470
KNP8W	8W	8.5	41	0.8	28	1-1.5K
KNP9W	9W	8.5	54	0.8	28	1-1.5K
Small Size						
KNP1WS	1W	4.0	10	0.7	28	0.1-39
KNP2WS	2W	5.0	12	0.7	28	0.1-50
KNP3WS	3W	5.5	16	0.8	28	0.1-120
KNP5WS	5W	6.5	17.5	0.8	28	0.1-200
KNP7WS	7W	8.5	26	0.8	28	0.5-470
KNP8WS	8W	8.5	32	0.8	28	0.5-470
KNP9WS	9W	8.5	41	0.8	28	1-1.5K
KNP10WS	10W	8.5	54	0.8	28	1-1.5K



EXPLANATION OF SPECIFICATIONS

UNIT: mm

Style	Power Rating	D Max.	L ± 1.5	P ± 0.5	H ± 1	h ± 0.5	B ± 0.5	Resistance Range (Ω)
KNZ2W	2W	8	19	8	19	12	4.5	0.1-50
KNZ3W	3W	8	21	10	19	13	4.5	0.5-50
KNZ5W	5W	10	26	15	21.5	13	6	0.5-100
KNZ7W	7W	10	31	20	21.5	13	6	1-1K
KNZ8W	8W	10	41	30	21.5	13	6	1-1.5K
KNZ10W	10W	10	54	43	21.5	13	6	1-2K

EXPLANATION OF PART NUMBER

KN	P	1w [s]	H	100	J
Wire Wound Resistor	Type	Series	Forming and Packaging	Nominal Resistance	Resistance Tolerance
	P-P Type	1W-1W 2W-2W 3W-3W . . . 10B-10W [S]-Miniature Size	T5-T52 H-H Type F-F Type T7-T73	10Ω	J - ± 5 % G - ± 2 % F - ± 1 %

PERFORMANCE SPECIFICATION

- **Temperature Coefficient:** $\geq 20\Omega$: $\pm 300\text{PPM}/^\circ\text{C}$; $< 20\Omega$: $\pm 400\text{PPM}/^\circ\text{C}$
- **Short-Time overload:** $\Delta R/R \leq \pm(2\%+0.05\ \Omega)$, with no evidence of mechanical damage.
- **Terminal Strength:** No evidence of mechanical damage.
- **Resistance to soldering heat:** $\Delta R/R \leq \pm(1\%+0.05\ \Omega)$, with no evidence of mechanical damage.
- **Solderability:** Min. 95% coverage.
- **Load Life in humidity:** $\Delta R/R \leq \pm(5\%+0.05\ \Omega)$, with no evidence of mechanical damage.
- **Load life:** $\Delta R/R \leq \pm(5\%+0.05\ \Omega)$, with no evidence of mechanical damage.