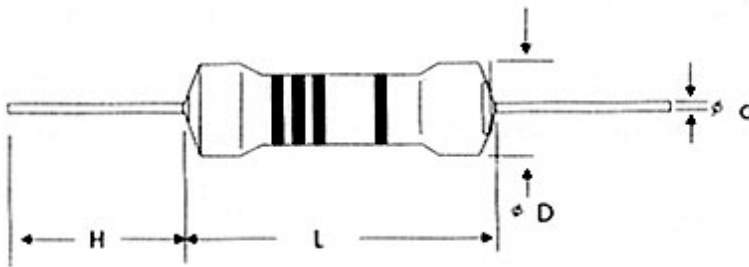


Feature :

1. Small in size comparatively.
2. Electrical and mechanical stability and high reliability.
3. Nonflame painting. "Solvent" proff, resistive to heat & humidity.
4. Annual shift is low for the strengthened metal oxide film.
5. Low noise; can produce high resistance value which wire wound resistors can not reach.

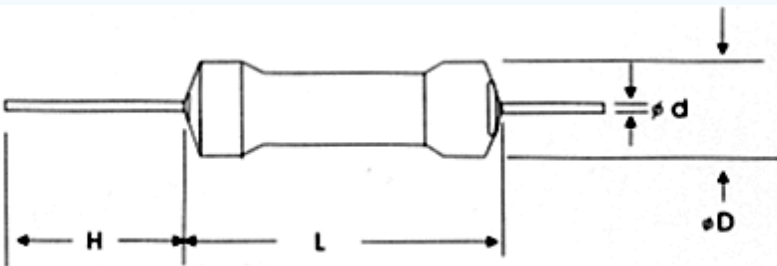


SPECIFICATION

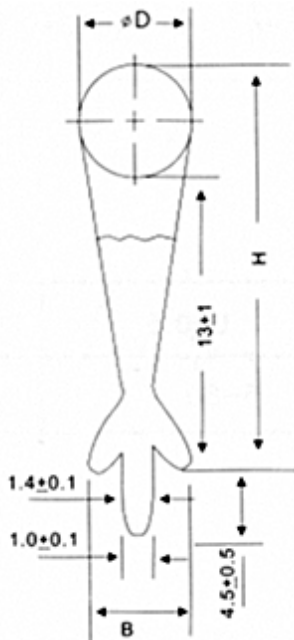
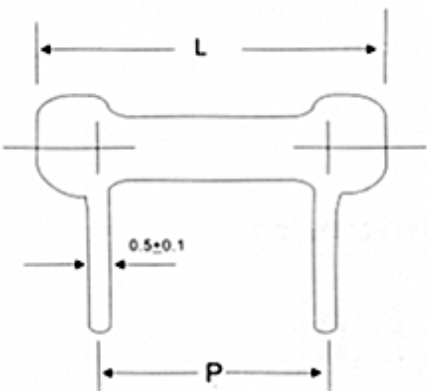
TYPE		Maximum Working Voltage	Maximum Overload Voltage	Resistance Range
CR	CRS			±5%(J)
1/4W	---	250V	500V	1Ω-1M
1/2W	1/2W	250V	600V	1Ω-1M
1W	1W	300V	600V	1Ω-1M
2W	2W	350V	700V	1Ω-1M
3W	3W	500V	1000V	1Ω-1M
5W	5W	500V	1000V	1Ω-1M
7W	7W	750V	1000V	10Ω-150KΩ
10W	10W	750V	1000V	10Ω-150KΩ

MO	MOS	L	D	d	H(MIN)
1/4W	---	6.3±0.1	2.3±0.5	0.6±0.05	25
1/2W	1/2W	9±1	3.2±0.5	0.6±0.05	25
1W	1W	12±1	4.5±0.5	0.8±0.05	27
2W	2W	16±1	5.5±0.5	0.8±0.05	27
3W	3W	18±1	6.5±0.5	0.8±0.05	27
5W	5W	25±1	8.5±0.5	0.8±0.05	27
7W	7W	41±1	8.5±0.5	0.8±0.05	27
10W	10W	55±1	8.5±0.5	0.8±0.05	27

Test items		Condition	Spec.
溫度係數	Resistance Temp Coeff	-30°C ~ 200 °	±200ppm/°C
短時間超負載	Short Time Over Load	2.5 times of rated wattage for 5sec. AC or DC	±1%
絕緣	Insulation Resistance	500V Megger.	200 MΩ
溫度週率	Temp.Cycle	-30°C ~ 85°C 5 cycle	±1%
負載壽命	Load Life	70°C on~off cycle 1,000 hrs.	±5%
耐濕壽命	Moisture-proof Load Life	40°C 95%HR on~off cycle 1,000 hrs.	±5%
不燃性	Incombustibility	10 times of rated wattage for 5 min	not flamed



TYPE	Rated Watts	Dimension (mm)				Resistance range ( $\Omega$ )
		$D \pm 0.5 \text{mm}$	$L \pm 0.5 \text{mm}$	H (Min)	$d \pm 0.05 \text{mm}$	
KNP-1/2W	1/2W	3.5	9	25	0.6	0.1~47 $\Omega$
KNP-1W	1W	4.5	12	27	0.8	0.1~150 $\Omega$
KNP-2W	2W	5.5	16	27	0.8	0.1~200 $\Omega$
KNP-3W	3W	6.5	18	27	0.8	0.1~1K
KNP-5W	5W	8.5	25	27	0.8	0.1~1K
KNP-7W	7W	8.5	32	27	0.8	0.1~1K
KNP-8W	8W	8.5	40	27	0.8	0.1~2K
KNP-10W	10W	8.5	53	27	0.8	0.1~2K



TYPE	Rated Watts	Dimension (mm)					Resistance range ( $\Omega$ )
		D $\pm$ 1.0	L $\pm$ 1.5	P $\pm$ 1.5	H $\pm$ 1	B $\pm$ 0.5	
KNY-7W	7W	6	29	22	18	7	0.1~500 $\Omega$
KNY-10W	10W	6	30	32	18	7	0.1~750 $\Omega$
KNY-15W	15W	7	40	32	24	10	0.2~1K $\Omega$
KNY-20W	20W	7	52	45	24	10	0.2~1K5 $\Omega$
KNY-30W	30W	8	66	56	24	10	0.5~2K $\Omega$
KNY-40W	40W	8	80	70	24	10	0.5~2K5 $\Omega$

Test items	Condition	Spec.
Resistance Temp Coeff	-30°C ~ 200 °	$\pm$ 300ppm/°C
Short Time Over Load	5 times of rated wattage for 5sec.	$\pm$ 2%
Rate Load	Rate watt 30 min.	$\pm$ 1%
Voltage Durability	500V AC 1 min.	not changed
Insulation Resistance	500V Megger.	500M $\Omega$
Temp Cycle	-30°C ~ 85°C 5 cycle	$\pm$ 1%
Load Life	70°C on~off cycle 1,000 hrs.	$\pm$ 5%