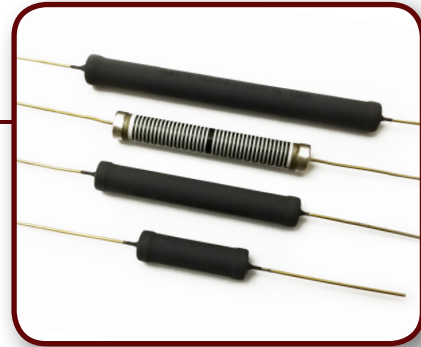


400 SERIES

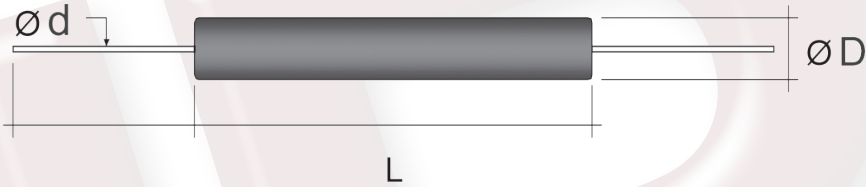
THICK FILM NON-INDUCTIVE HIGH VOLTAGE RESISTOR

400 series high voltage resistor adopts high quality ceramic, high mechanical strength and large heat capacity. It is suitable for all high voltage applications such as medical equipment, electric equipment, high voltage instrument and variable frequency drive.



FEATURES

- Thick film, Non-inductive
- Wide range of resistance
- Up to 48kV operating voltage
- High power



PRODUCT SIZE

Type	Rated Power (w)		Rmin (Ω)	Rmax(Ω)	Umax (kV)	Size		
	25°C	125°C				L±0.5mm	D±0.5mm	d±0.1mm
401	1	0.6	100R	100M	3	15	5	0.8
402	2.5	1.5	100R	200M	4.8	20	8	1.0
403	4.0	2.5	100R	200M	7.5	27	8	1.0
404	4.5	3.0	100R	200M	8	33	8	1.0
405	5.2	4.0	200R	200M	13	39	8	1.0
406	7.5	5.0	200R	500M	16	52	8	1.0
407	11	7.5	200R	1000M	24	78	8	1.0
408	12	8.0	300R	1000M	32	103	8	1.0
409	15	10	400R	1000M	40	123	8	1.0
410	20	15	500R	1000M	48	154	8	1.0

NR *new resistance*
precision without limits

400 SERIES

THICK FILM NON-INDUCTIVE HIGH VOLTAGE RESISTOR

TECHNICAL PARAMETERS

Tolerance	$\pm 1\% \sim \pm 10\%$ (depend ohmic value)
TCR	$\pm 50\text{ppm}$ ($25^\circ\text{C} \sim 105^\circ\text{C}$)
Dielectric Strength	$>1000\text{VDC}$
Insulation resistance	$\geq 10\text{G}\Omega$
Temperature range	$-55^\circ\text{C} \sim +225^\circ\text{C}$
Encapsulation	silicone resin
Lead end	tin plated iron cap
Overload	5P amount does not exceed $1.5U_{\text{max}}5\text{s}$, $\Delta R \leq \pm 0.2\%R$
Load Life	rated power 1000h, $\Delta R \leq \pm 0.5\%R$
Humidity (steady States)	40°C , RH $\geq 95\%$, 240h, $\Delta R \leq \pm 0.4\%R$
Cold and hot shock	$-65 \sim 155^\circ\text{C}$ 5 cycles, $\Delta R \leq \pm 0.2\%R$

POWER REDUCTION CURVE

