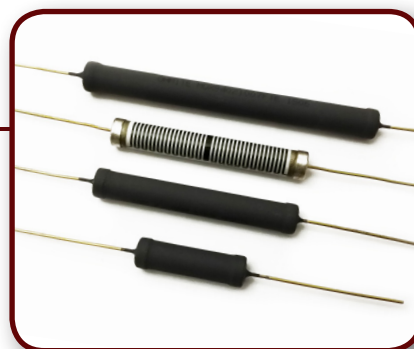


300 SERIES

THICK FILM NON-INDUCTIVE PRECISION HIGH VOLTAGE RESISTOR

300 series high voltage resistor adopts high quality ceramic conduction. High mechanical strength, large heat capacity, high precision, low temperature coefficient, low voltage coefficient. It is suitable for medical treatment medical equipment, electrical equipment, high voltage instruments, variable frequency drives and avionics.



FEATURES

- Thick film, Non-inductive
- Wide range of resistance
- High precision
- Low temperature coefficient
- Low voltage coefficient



PRODUCT SIZE

Type	Rated Power (w)	Rmin (Ω)	Rmax(Ω)	Umax (kV)	Size		
	25°C				L±1mm	D±0.5mm	d±0.1mm
302	0.8	1K	20M	3	20	8	1.0
303	1.0	2K	20M	4	27	8	1.0
304	1.2	2K	50M	5	33	8	1.0
305	1.5	3K	50M	6	39	8	1.0
306	2	3K	100M	10	52	8	1.0
307	3	5K	300M	15	78	8	1.0
308	4	5K	300M	20	103	8	1.0
309	5	6K	500M	25	124	8	1.0
310	6	10K	500M	30	154	8	1.0

NR *new resistance*
precision without limits

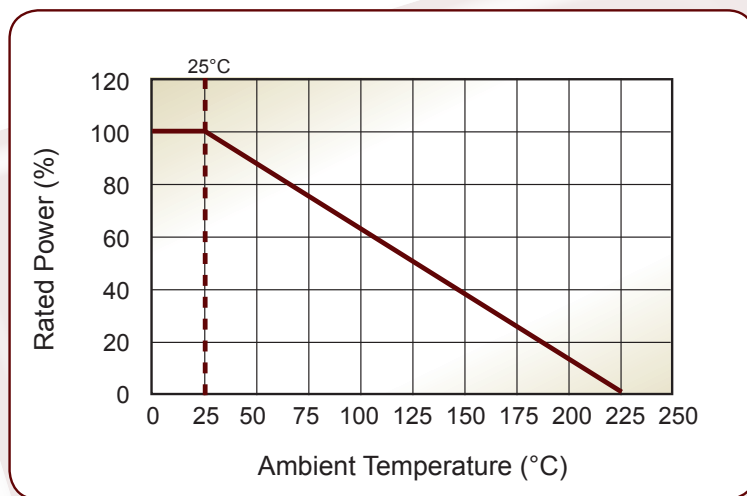
300 SERIES

THICK FILM NON-INDUCTIVE PRECISION
HIGH VOLTAGE RESISTOR

TECHNICAL PARAMETERS

Tolerance	$\pm 0.1\% \sim \pm 1\%$ (depend ohmic value)
TCR	STD $\pm 15\text{ppm}$ ($25^{\circ}\text{C} \sim 105^{\circ}\text{C}$)
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



NR *new resistance*
precision without limits