

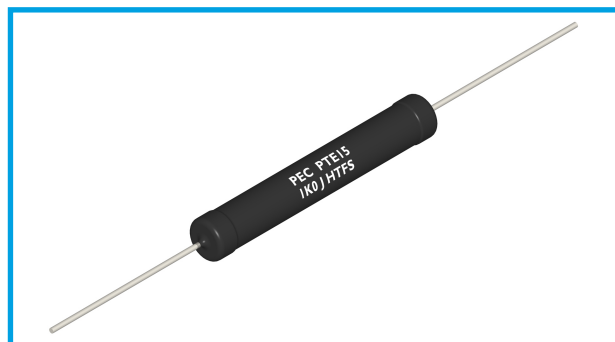


High Voltage, Thick Film, Non-Inductive, Axial

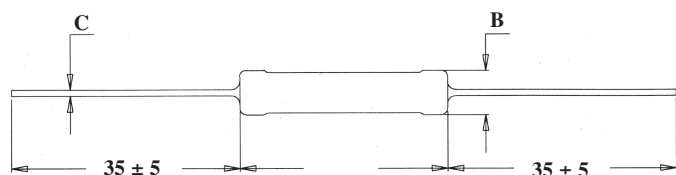
Series PTE

### Key Features

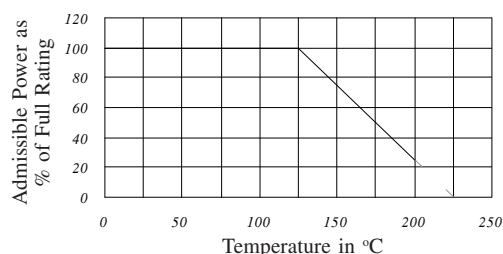
- 0.7W to 15W Power Rating.
- Voltage Rating from 2.5KV to 48KV in Free Air.
- Resistance Range from 1KΩ to 100MΩ.
- Resistance Tolerance offered from 0.1% to 10%
- Load Life Stability of 0.5% per 1000 Hrs.
- Epoxy Coated, Very Good Humidity Protection.
- High Voltage, High Frequency, Non-Inductive.



### Dimensions



### Derating Curve



### Electrical and Dimensional Specifications

Type	Power @70°C Watts	Max Cont. MIL Voltage KVolts	Resistance Range		Dimensions in Millimeters [Inches]			Additional Specifications	
			Ohms		± 1.5 [0.059]	± 1 [0.039]	± 0.2 [0.008]	Tolerance	±1%, ±2%, ±5%, ±10%, Closer tolerance on Request.
			Min	Max					
PTE15	0.7	2.5	1K	100M	15 [0.590]	5.0* [0.197]	0.80 [0.0315]	TCR	Std : 100ppm/°C, Others on Req.
PTE19	1.0	3.5	1K	100M	19 [0.748]	5.0* [0.197]	0.80 [0.0315]	Overload Voltage	5xP for 5Secs (Vmax < 1.5 x Cont.Opr. Voltage)
PTE25	1.2	5.5	1K	100M	25.4 [1.000]	5.0* [0.197]	0.80 [0.0315]	Thermal Shock	Mil Std-202, Method 107, Cond. C, ΔR- 0.25% Max
PTE24	2.0	5.5	1K	100M	24 [0.944]	8.0 [0.314]	1.00 [0.0394]	Load Life	1000 Hrs at Rated Power ΔR- 0.50% Max
PTE39	3.0	10.0	1K	100M	39 [1.500]	8.0 [0.314]	1.00 [0.0394]	Moisture Resistance	Mil Std-202, Method 106, ΔR- 0.40% Max
PTE52	5.0	15.0	1K	100M	52 [2.040]	8.0 [0.314]	1.00 [0.0394]	Lead Wire	Tin Plated Copper Solderable Wire
PTE76	7.5	22.5	2K	100M	76 [2.540]	9.0 [0.354]	1.00 [0.0394]	Insulation Resistance	10,000 Megohms Min
PTE102	10.0	32.0	2K	100M	102 [4.010]	9.0 [0.354]	1.00 [0.0394]	Termination Material	Tinned Cap
PTE152	15.0	48.0	2K	100M	152 [5.980]	9.0 [0.354]	1.00 [0.0394]	Coating	Epoxy Conformal

\* Tolerance for this dimension is ±1.50mm [0.059in]

### To Order - Please Specify

PEC Type.	Ohmic Value	Tolerance	Special Requirements
PTE15	1 KOhm      »    1K0	10%    »    K	Standard      »    S
	5.1KOhm    »    5K1	5%      »    J	Others        »    M
	10.7 KOhm   »    10K7	2%      »    G	Please Specify
	10 MOhm     »    10M	1%      »    F	

A Sample Part No.: PTE15 1K0JS