

FEATURES

- Wide operating Voltages ranging from 5Vrms to 1000V(6Vdc to 1465Vdc).
- Fast response time of less than 25nS,instantly Clamping the transient over Voltage.
- High surge current handling capability.
- High energy absorption capability.
- Low Clamping voltages, providing better surge protection.

APPLICATIONS

- Transistor, Diode, IC, Thyristor or Triac semiconductor protection.
- Surge protection in consumer electronics.
- Surge protection in Industrial electronics.
- Surge protection in electronic home appliances, gas and petroleum appliances.
- Relay and electromagnetic valve surge absorption.

GENERAL CHARACTERISTICS DEFINITION

- Operating Temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$.
- Storage Temperature: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$.
- Working Surface Temperature: $+115^{\circ}\text{C}$.
- Insulation Resistance: $>100\text{M}\Omega$.

ORDERING INFORMATION

10 D 220 K
① ② ③ ④

- ① Size: 10: $\phi 10.0\text{mm}$;
- ② Type: D: Disk, S: Square;
- ③ Varistor voltage: 220— $22\times 10^1=220\text{V}$;
- ④ Tolerance: K= $\pm 10\%$, L= $\pm 15\%$, M= $\pm 20\%$;

PACKAGING

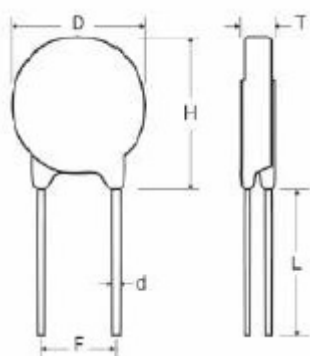
Model	Component Package	Quantity
10D220K	10.0mm	500

ELECTRICAL CHARACTERISTIC

Part Number	Maximum allowable voltage		Varistor voltage	Clamping voltage (Max.)		Maximum peak current (8/20μs)		Maximum Energy current (10/1000μs)		Rated power	Typical capacitance (Reference)
Standard	AC(V)	DC (V)	V1.0mA (V)	VC (V)	IP (A)	Standard (A)	High surge (A)	Standard (J)	High surge (J)	(W)	@1KHz(pf)
10D220K	14	18	22(20-24)	43	5	250	500	4.5	5.0	0.05	4500

DIMENSIONS

(unit: mm)



Part No.	D Max.	H Max.	L Min.	F±0.8	d±0.05	T Max.
10D220K	12.5	16.5	25-30	7.5	0.8	4.7