

## 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°C~+85°C.
- Storage Temperature: -40°C~+125°C.
- Working Surface Temperature: +115°C.
- Insulation Resistance: >100MΩ.

## ORDERING INFORMATION

10    D    561    K  
 ①      ②      ③      ④

- ① Size: 10: φ10.0mm;
- ② Type: D: Disk, S: Square;
- ③ Varistor voltage: 561—56×10<sup>1</sup>=560V;
- ④ Tolerance: K=±10%,L=±15%,M=±20%;

## PACKAGING

Model	Component Package	Quantity
10D561K	10.0mm	500

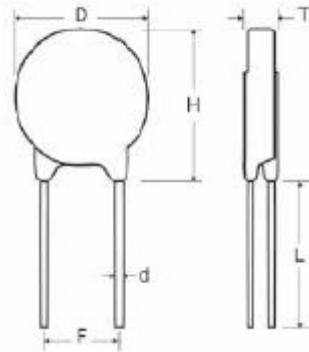
**ELECTRICAL CHARACTERISTIC**

Part Number		Maximum allowable voltage		Varistor voltage	Clamping voltage (Max.)	Maximum peak current (8/20 $\mu$ s)		Maximum Energy current (10/1000 $\mu$ s)		Rated power	Typical capacitance (Reference)
Standard	High surge	AC(V)	DC (V)	V1.0mA (V)	VC (V)	Standard (A)	High surge (A)	Standard (J)	High surge (J)	(W)	@1KHz(pf)
10D561K	J	350	460	560(504-616)	920	1250	2500	100	104	0.4	180

--Straight Type

**DIMENSIONS**

(unit: mm)



Part No.	D Max.	H Max.	L Min.	F $\pm$ 0.8	d $\pm$ 0.05	T Max.
10D561K	12.5	16.5	25-30	7.5	0.8	5.6