

FEATURES

- Wide operating Voltages(V1mA): form 18V to 820V.
- Fast response to transient over-voltage and limited current.
- Low Clamping ratio and no follow-on current.
- Capable of absorbing high transient energies.

APPLICATIONS

- Transistor, Diode, IC, Thyristor or Triac semiconductor protection.
- Consumer electronics.
- Industrial electronics.
- 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

07 D 181 K
 ① ② ③ ④

- ① Size: 07: $\phi 7.0\text{mm}$;
- ② Type: D: Disk, S: Square;
- ③ Varistor voltage: 181— $18\times 10^1=180\text{V}$;
- ④ Tolerance: K= $\pm 10\%$, L= $\pm 15\%$, M= $\pm 20\%$;

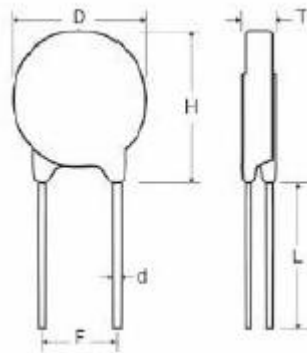
PACKAGING

Model	Component Package	Quantity
07D□□□K	7.0mm	1000

ELECTRICAL CHARACTERISTIC

Part Number		Maximum allowable voltage		Varistor voltage	Clamping voltage		Maximum peak current		Maximum peak current		Rated power	Typical capacitance (Reference)
Φ7.0mm					(Max.)		(8/20μs)		(8/20μs)			
Standard	High surge	AC.rms (V)	DC (V)	V1mA (V)	VC (V)	IP (A)	Standard (A)	High surge (A)	Standard (J)	High surge (J)	(W)	@1KHz(pf)
07D181K	J	115	150	180(162-198)	300	10	1200	1750	13	16	0.25	280

DIMENSION



(unit: mm)

--Straight Type

Part No.	D Max.	H Max.	L Min.	F±0.8	d±0.05	T Max.
07D181K	9.0	11.0	20.0	5.0	0.6	4.1

WAVE-SOLDERING

