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℃~+85℃.
- ➤ Storage Temperature：-40℃~+125℃.
- ➤ Working Surface Temperature：+115℃.
- ➤ Insulation Resistance：＞100MΩ.

ORDERING INFORMATION

$$\underline{10} \quad \underline{D} \quad \underline{471} \quad \underline{K}$$
$$① \quad ② \quad ③ \quad ④$$

①Size：10: φ10.0mm;
②Type：D：Disk, S：Square;
③Varistor voltage：471——47×10^1=470V;
④ Tolerance：K=±10%,L=±15%,M=±20%;

PACKAGING
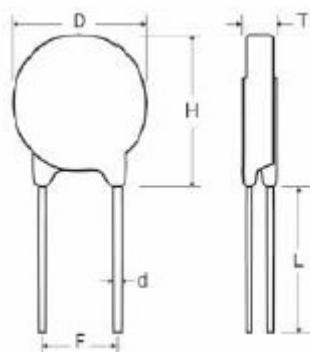
Model	Component Package	Quantity
10D471K	10.0mm	500

SEMBO 深波電子
SEMBO ELECTRONICS

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)
10D471K	300	385	470(423-517)	775	25	1250	2500	96	100	0.4	210

DIMENSIONS   (unit：mm)

Part No.	D Max.	H Max.	L Min.	F±0.8	d±0.05	T Max.
10D471K	12.5	16.5	25-30	7.5	0.8	6.7

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