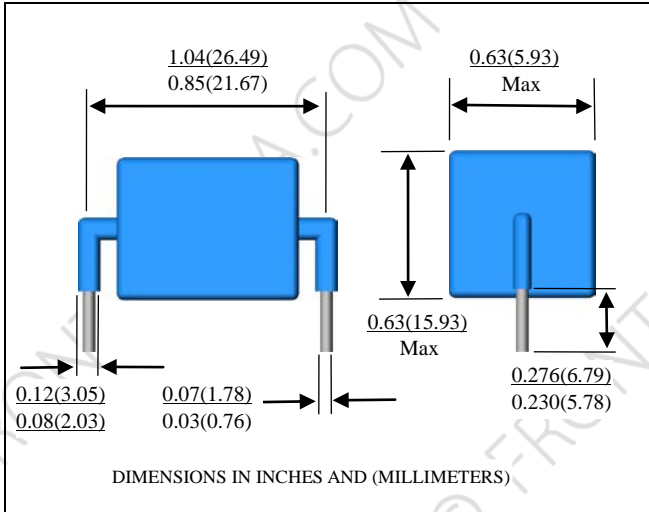




# 10KA SERIES SPECIFICATION

Rev. A

## 12V TO 200V AXIAL LEAD TRANSIENT VOLTAGE SUPPRESSORS



### PRODUCT FEATURES

1. HIGH CURRENT TRANSIENT SUPPRESSOR PLASTIC
2. EXCELLENT CLAMPING CAPABILITY
3. GLASS PASSIVATED JUNCTION
4. BI-DIRECTIONAL
5. LOW SLOPE RESISTANCE
6. REPETITION RATE ( DUTY CYCLE ) : 0.01%

### MECHANICAL DATA

1. CASE: EPOXY ENCAPSULATED
2. TERMINALS: AXIAL LEADS
3. HIGH TEMPERATURE SOLDERING : 260°C/10 SECONDS
4. MOUNTING POSITION: ANY

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED
- SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD
- FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

PARAMETERS	SYMBOL	VALUE	UNITS
CURRENT RATING , RATED IPP MEASURED WITH 8/20 uS PULSE	I <sub>pp</sub>	10.0	KA
OPERATING JUNCTION AND STORAGE TEMPERATURE RANGE	T <sub>J</sub> , T <sub>STG</sub>	-55 to 150	°C

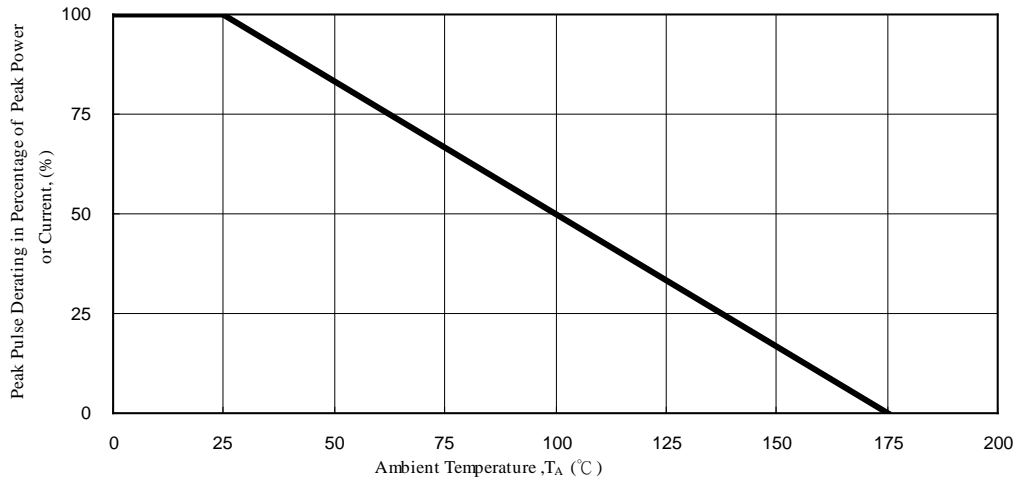
PART NUMBER	REVERSE STAND-OFF VOLTAGE		BREAKDOWN VOLTAGE	TEST CURRENT	CURRENT RATING	MAXIMUM ENERGY	MAXIMUM CLAMPING VOLTAGE	REVERSE CURRENT (LEAKAGE)
	VAC(V)	VDC(V)	VBR(V) MIN. @IT	IT(mA)	8/20µs (KA)	10/1000µs(A)	VC(V) @IPP	IR(µA) @VDC
10KA-012	8.5	12.8	14	1	10	1665	28	20
10KA-015	11	15	17	1	10	2164	30	20
10KA-020	14	20	22	1	10	2664	40	20
10KA-025	17	25	28	1	10	3163	50	20
10KA-030	21	30	33	1	10	3996	60	20
10KA-042	30	42	47	1	10	5661	77	20
10KA-058	40	58	64	1	10	8158	110	20
10KA-066	45	66	70	1	10	8658	125	20
10KA-076	54	76	83	1	10	9324	135	20
10KA-100	72	100	110	1	10	14152	165	20
10KA-133	100	133	147	1	10	17649	220	20
10KA-170	130	170	180	1	10	23310	260	20
10KA-190	145	190	200	1	10	27972	290	20
10KA-200	150	200	222	1	10	28638	330	20



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## RATINGS AND CHARACTERISTIC CURVE ( $T_A=25^\circ\text{C}$ unless otherwise noted)



## SOLDERING PARAMETERS

