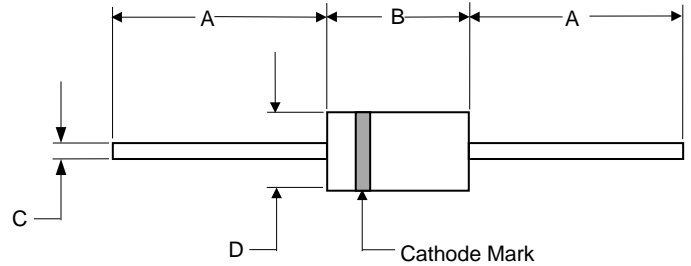


### Features

- \* 3000 Watts Peak Power
- \* Low Inductance
- \* Unidirectional and Bidirectional unit
- \* Voltage Range: 5.0 to 220 Volts.



RoHS  
COMPLIANT



DIM	P600			
	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1	---	25.4	---
B	0.339	0.358	8.6	9.1
C	0.047	0.051	1.2	1.3
D	0.339	0.358	8.6	9.1

### Mechanical Data

- \* Epoxy meets UL 94 V-0 flammability rating
- \* Moisture Sensitivity Level 1
- \* Marking : Cathode band(For Uni-directional ) and type number
- \* Suffix "C" of part number denotes Bi-directional unit.

### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

RATING	SYMBOL	VALUE	UNITS
Peak Pulse Power Dissipation on 10/1000us waveform (Note 1,FIG.1)	P <sub>ppm</sub>	Minimum 3000	Watts
Steady State Power Dissipation at T <sub>L</sub> = 75 °C , Lead lengths.375", (9.5mm) (Note 2)	P <sub>M(AV)</sub>	8	Watts
Operating junction and Storage Temperature Range	T <sub>J</sub> /T <sub>STG</sub>	-55 to +175	°C

Notes :

- 1.Non-repetitive current pulse , per Fig. 3 and derated above T<sub>A</sub> = 25 per Fig. 2 .
- 2.Mounted on Copper Pad area of 1.6jÁ1.6" (40jÁ40mm) per Fig. 5.



# 3KP5.0(C)(A) THRU 3KP220(C)(A)

## 3000Watts Transient Voltage Suppressors 5.0 to 220 Volts

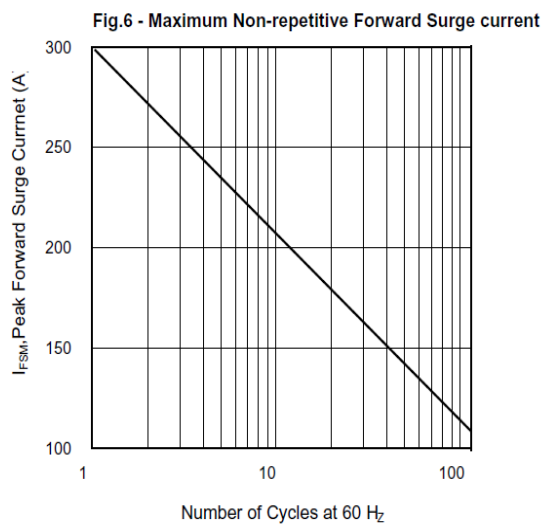
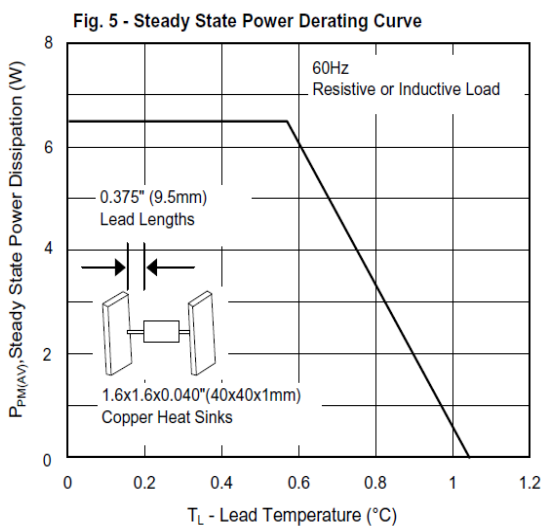
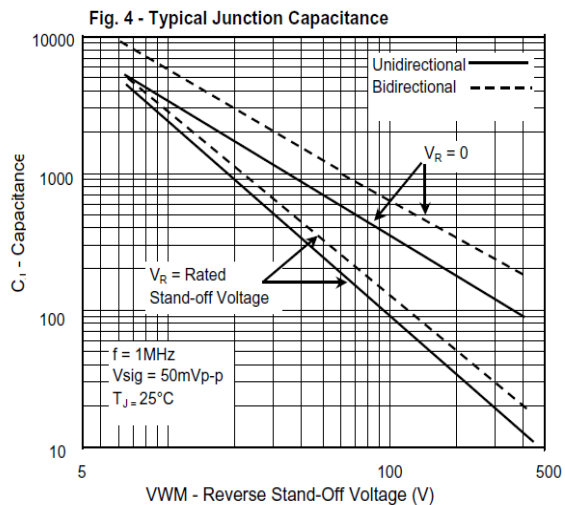
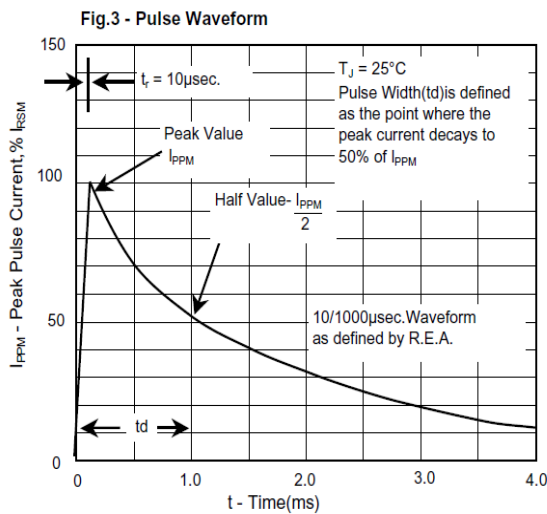
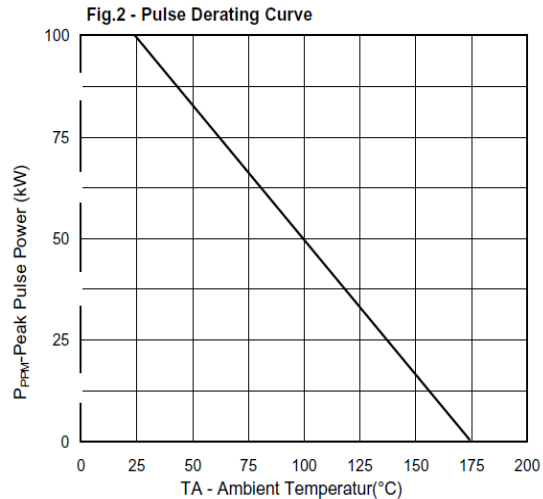
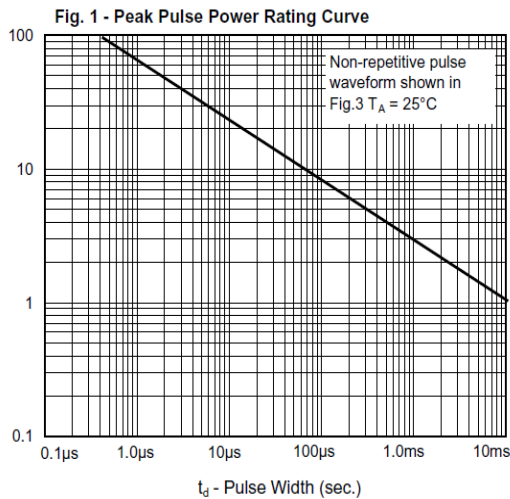
### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

3KP PART NUMBER		REVERSE STAND- OFF VOLTAGE V <sub>RWM</sub> (V)	BREAKDOWN VOLTAGE V <sub>BR</sub> (V) MIN.@I <sub>T</sub>	BREAKDOWN VOLTAGE V <sub>BR</sub> (V) MAX.@I <sub>T</sub>	TEST CURRENT I <sub>T</sub> (mA)	MAXIMUM CLAMPING VOLTAGE @I <sub>p</sub> V <sub>c</sub> (V)	PEAK PULSE CURRENT I <sub>pp</sub> (A)	REVERSE LEAKAGE @V <sub>RWM</sub> I <sub>R</sub> (μ A)
UNI-POLAR	BI-POLAR							
3KP5.0A	3KP5.0CA	5	6.4	7	50	9.2	326.1	5000
3KP6.0A	3KP6.0CA	6	6.67	7.37	50	10.3	291.3	5000
3KP6.5A	3KP6.5CA	6.5	7.22	7.98	50	11.2	267.9	2000
3KP7.0A	3KP7.0CA	7	7.78	8.6	50	12	250	1000
3KP7.5A	3KP7.5CA	7.5	8.33	9.21	5	12.9	232.6	250
3KP8.0A	3KP8.0CA	8	8.89	9.83	5	13.6	220.6	150
3KP8.5A	3KP8.5CA	8.5	9.44	10.4	5	14.4	208.3	50
3KP9.0A	3KP9.0CA	9	10	11.1	5	15.4	194.8	20
3KP10A	3KP10CA	10	11.1	12.3	5	17	176.5	15
3KP11A	3KP11CA	11	12.2	13.5	5	18.2	164.8	10
3KP12A	3KP12CA	12	13.3	14.7	5	19.9	150.8	10
3KP13A	3KP13CA	13	14.4	15.9	5	21.5	139.5	10
3KP14A	3KP14CA	14	15.6	17.2	5	23.2	129.3	10
3KP15A	3KP15CA	15	16.7	18.5	5	24.4	123	10
3KP16A	3KP16CA	16	17.8	19.7	5	26	115.4	10
3KP17A	3KP17CA	17	18.9	20.9	5	27.6	108.7	10
3KP18A	3KP18CA	18	20	22.1	5	29.2	102.7	10
3KP20A	3KP20CA	20	22.2	24.5	5	32.4	92.6	10
3KP22A	3KP22CA	22	24.4	26.9	5	35.5	84.5	10
3KP24A	3KP24CA	24	26.7	29.5	5	38.9	77.1	10
3KP26A	3KP26CA	26	28.9	31.9	5	42.1	71.3	10
3KP28A	3KP28CA	28	31.1	34.4	5	45.4	66.1	10
3KP30A	3KP30CA	30	33.3	36.8	5	48.4	62	10
3KP33A	3KP33CA	33	36.7	40.6	5	53.3	56.3	10
3KP36A	3KP36CA	36	40	44.2	5	58.1	51.6	10
3KP40A	3KP40CA	40	44.4	49.1	5	64.5	46.5	10
3KP43A	3KP43CA	43	47.8	52.8	5	69.4	43.2	10
3KP45A	3KP45CA	45	50	55.3	5	72.7	41.3	10
3KP48A	3KP48CA	48	53.3	58.9	5	77.4	38.8	10
3KP51A	3KP51CA	51	56.7	62.7	5	82.4	36.4	10
3KP54A	3KP54CA	54	60	66.3	5	87.1	34.4	10
3KP58A	3KP58CA	58	64.4	71.2	5	93.6	32.1	10
3KP60A	3KP60CA	60	66.7	73.7	5	96.8	31	10
3KP64A	3KP64CA	64	71.1	78.6	5	103	29.1	10
3KP70A	3KP70CA	70	77.8	86	5	113	26.5	10
3KP75A	3KP75CA	75	83.3	92.1	5	121	24.8	10
3KP78A	3KP78CA	78	86.7	95.8	5	126	23.8	10
3KP85A	3KP85CA	85	94.4	104	5	137	21.9	10
3KP90A	3KP90CA	90	100	111	5	146	20.5	10
3KP100A	3KP100CA	100	111	123	5	162	18.5	10
3KP110A	3KP110CA	110	122	135	5	177	16.9	10
3KP120A	3KP120CA	120	133	147	5	193	15.5	10
3KP130A	3KP130CA	130	144	159	5	209	14.4	10
3KP150A	3KP150CA	150	167	185	5	243	12.3	10
3KP160A	3KP160CA	160	178	197	5	259	11.6	10
3KP170A	3KP170CA	170	189	209	5	275	10.9	10
3KP180A	3KP180CA	180	200	221	5	289	10.4	10
3KP190A	3KP190CA	190	211	233	5	310	9.7	10
3KP200A	3KP200CA	200	222	246	5	329.2	9.1	10
3KP210A	3KP210CA	210	233	258	5	349.5	8.6	10
3KP220A	3KP220CA	220	244	270	5	371.1	8.1	10

Notes : For bidirectional type having V<sub>RWM</sub> of 10 volts and less, the I<sub>R</sub> limit is double.

For parts without A , the V<sub>BR</sub> is ±10%

### Ratings and Characteristic Curves





# 3KP5.0(C)(A) THRU 3KP220(C)(A)

3000Watts Transient Voltage Suppressors 5.0 to 220 Volts

## Ordering Information

Part No.	Package	Packing Code	Packing
3KP5.0(C)(A) THRU 3KP220(C)(A)	P600	B02	200pcs/Bulk
3KP5.0(C)(A) THRU 3KP220(C)(A)	P600	A05	500pcs/Ammo(52mm)
3KP5.0(C)(A) THRU 3KP220(C)(A)	P600	R08	800pcs/Reel(52mm)

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