	E480232

Features

- Fast Response Time
- Glass Passivated Junction and Plastic Package Devices
- Low Incremental Surge Resistance
- High Temperature Soldering Guaranteed
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- For Bidirectional Devices Add “C” To The Suffix of The Part Number: i.e.15KP17CA for 5% Tolerance

Mechanical Data

- Polarity :Color Band Denotes Cathodes Except Bipolar
- Weight: 0.07 ounce, 2.5 grams
- Terminals: Plated Axial leads, Solderable Per MIL-STD-750, Methode 2026

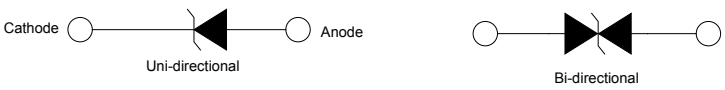
Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C

Peak Pulse Power Dissipation with a 10/1000μs Waveform	P_{PPM}	15000W(Min.)	
Steady State Power Dissipatoin	$P_{M(AV)}$	8.0 W	T_L=75°C,Lead lengths.375", (9.5mm)
Response Time	typically less than 1.0ps from 0 Volts to BV		
	bidirectonal less than 10ns		

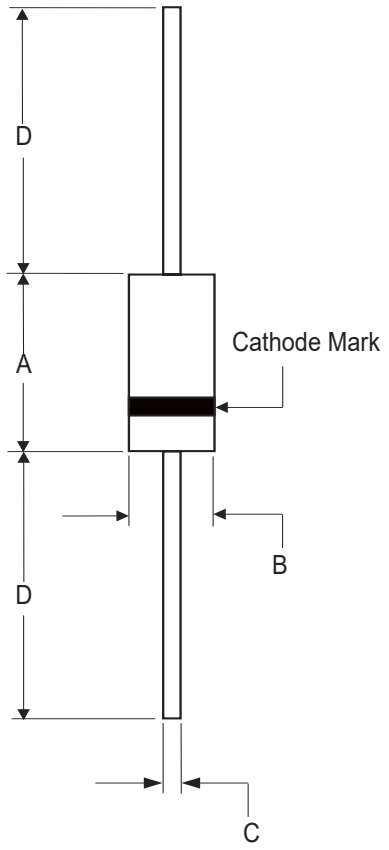
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7a.

Pin Configuration:



15000Watts TVS
17 to 280 Volts

R-6



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.340	0.360	8.60	9.10	
B	0.340	0.360	8.60	9.10	
C	0.048	0.052	1.20	1.32	
D	1.000	-----	25.40	-----	

Electrical Characteristics @ 25°C Unless Otherwise Specified

MCC PART NUMBER		REVERSE STAND- OFF VOLTAGE V_{RWM}	BREAKDOWN VOLTAGE V_{BR} MIN. @I_T	BREAKDOWN VOLTAGE V_{BR} MAX. @I_T	TEST CURRENT I_T (mA)	PEAK PULSE CURRENT I_{pp}	MAXIMUM REVERSE LEAKAGE I_R @ V_{RWM}	CLAMPING VOLTAGE V_C @I_{PP}
UNI-POLAR	BI-POLAR	V	V	V	mA	A	μ A	V
15KP17A	15KP17CA	17	18.9	20.79	50	512	5000	29.3
15KP18A	15KP18CA	18	20.0	22.01	50	485	5000	30.9
15KP20A	15KP20CA	20	22.2	24.46	20	437	1500	34.3
15KP22A	15KP22CA	22	24.4	26.91	10	404	500	37.1
15KP24A	15KP24CA	24	26.7	29.35	5	369	150	40.5
15KP26A	15KP26CA	26	28.9	31.8	5	347	50	44
15KP28A	15KP28CA	28	31.1	34.24	5	316	25	47.5
15KP30A	15KP30CA	30	33.3	36.69	5	296	15	50.7
15KP33A	15KP33CA	33	36.7	40.4	5	274	10	54.8
15KP36A	15KP36CA	36	40.0	44	5	251	10	59.7
15KP40A	15KP40CA	40	44.4	48.9	5	228	10	65.8
15KP43A	15KP43CA	43	47.8	52.6	5	215	10	69.7
15KP45A	15KP45CA	45	50.0	55	5	205	10	73
15KP48A	15KP48CA	48	53.3	58.7	5	193	10	77.7
15KP51A	15KP51CA	51	56.7	62.4	5	181	10	82.8
15KP54A	15KP54CA	54	60.0	66	5	171	10	87.5
15KP58A	15KP58CA	58	64.4	70.9	5	160	10	94
15KP60A	15KP60CA	60	66.7	73.4	5	154	10	97.3
15KP64A	15KP64CA	64	71.1	78.3	5	144	10	104
15KP70A	15KP70CA	70	77.8	85.6	5	132	10	114
15KP75A	15KP75CA	75	83.3	91.7	5	123	10	122
15KP78A	15KP78CA	78	86.7	95.4	5	119	10	126
15KP85A	15KP85CA	85	94.4	104	5	109	10	137
15KP90A	15KP90CA	90	100.0	110.1	5	103	10	146
15KP100A	15KP100CA	100	111.0	122.3	5	93	10	162
15KP110A	15KP110CA	110	122.0	134.5	5	84	10	178
15KP120A	15KP120CA	120	133.0	146.8	5	78	10	193
15KP130A	15KP130CA	130	144.0	159	5	72	10	209
15KP150A	15KP150CA	150	167.0	183.5	5	62	10	243
15KP160A	15KP160CA	160	178.0	195.7	5	58	10	259
15KP170A	15KP170CA	170	189.0	207.9	5	55	10	275
15KP180A	15KP180CA	180	200.0	220.1	5	52	10	291
15KP200A	15KP200CA	200	222.0	244.6	5	47	10	322
15KP220A	15KP220CA	220	245.0	269.1	5	42	10	356
15KP240A	15KP240CA	240	267.0	293.5	5	39	10	388
15KP260A	15KP260CA	260	289.0	318	5	36	10	419
15KP280A	15KP280CA	280	311.0	342.4	5	33	10	452

For bi-directional type having V_{RWM} of 30 volts and less , the I_R limit is double.
For parts without A , the V_{BR} is ± 10%

Curve Characteristics

Fig. 1 - Peak Pulse Power Rating Curve

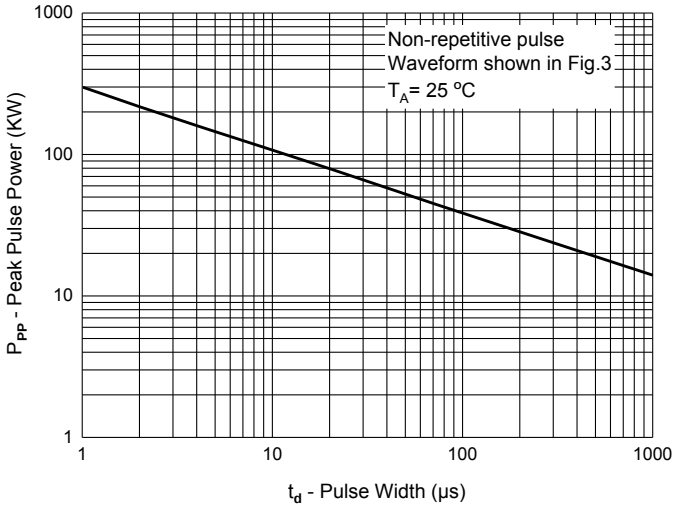


Fig. 2 - Typical Junction Capacitance

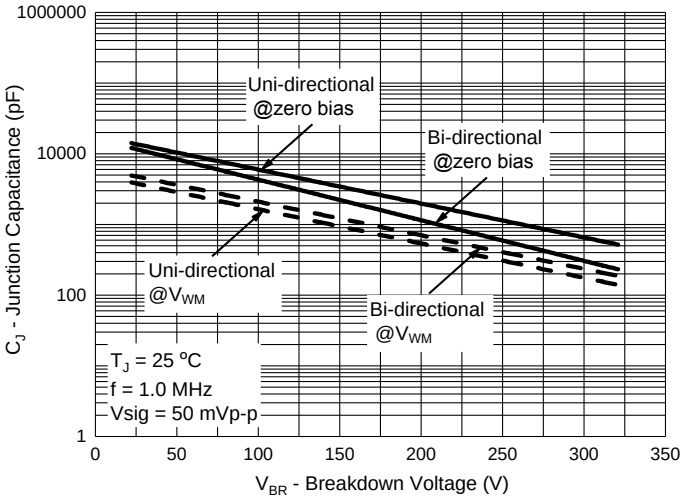


Fig. 3 - Pulse Waveform

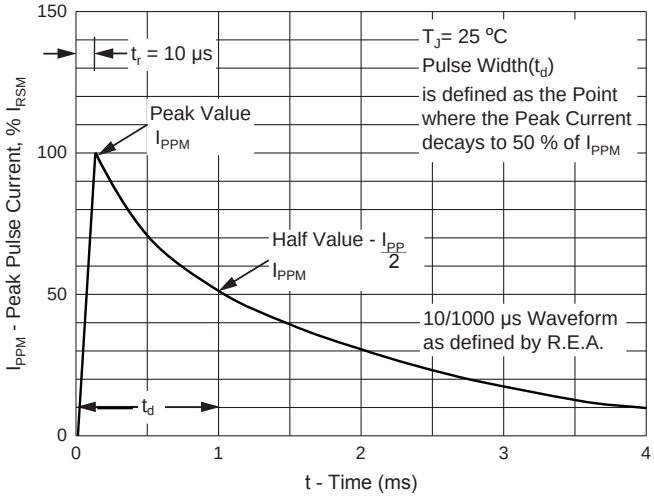
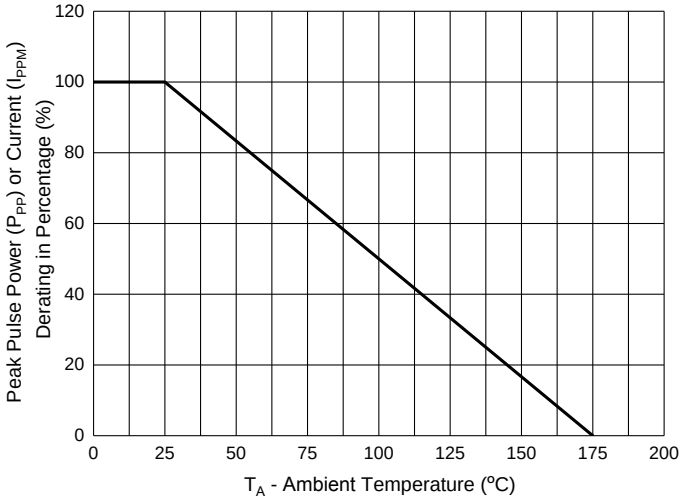


Fig. 4 - Pulse Derating Curve



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel: 500pcs/Reel
(Part Number)-AP	Ammo Packing: 450pcs/Ammo Box
(Part Number)-BP	Bulk: 4.8Kpcs/Carton

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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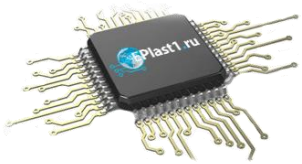
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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