



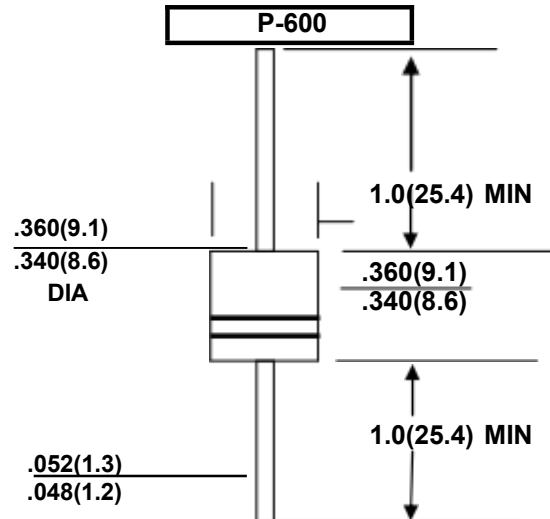
17.0 TO 440 Volts 15000 Watt Peak Pulse Power

FEATURES

Plastic package has Underwriters Laboratory
Flammability Classification 94V-0
Glass passivated junction
15000W Peak Pulse Power
capability on 10/1000 μ s waveform
Excellent clamping capability
Repetition rate (duty cycle):0.05%
Low incremental surge resistance
Fast response time: typically less
than 1.0 ps from 0 volts to BV
Typical I_d less than 1 μ A above 10V
High temperature soldering guaranteed:
265°C/10 seconds/.375", (9.5mm) lead
length, 5lbs., (2.3kg) tension

MECHANICAL DATA

Case:Molded plastic over glass passivated junction
Terminals: Plated Axial leads, solderable per
MIL-STD-750, Method 2026
Polarity: Color band denoted positive end (cathode)
except Bipolar
Mounting Position: Any
Weight: 0.07 ounce, 2.1 gram



Dimensions in inches (millimeters)

DEVICES FOR BIPOLAR APPLICATIONS

For Bidirectional use C or CA Suffix for types 15KP17 thru types 15KP280
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Peak Pulse Power Dissipation on 10/1000 μ s waveform (NOTE 1)	P_{PPM}	Minimum 15000	Watts
Peak Pulse Current of on 10-1000 μ s waveform (NOTE 1)	I_{PPM}	SEE TABLE 1	Amps
Steady State Power Dissipation at $T_I=75^\circ\text{C}$ Lead Lengths.375", (9.5mm)(NOTE 2)	$P_{M(AV)}$	8.0	Watts
Peak Forward Surge Current, 8.3ms Sine-Wave Superimposed on Rated Load, (JEDEC Method) (NOTE 3)	I_{FSM}	400.0	Amps
Operatings and Storage Temperature Range	T_J, T_{STG}	-55 to +175	°C

NOTES:

- 1.Non-repetitive current pulse, per Fig.3 and derated above $T_a=25^\circ\text{C}$ per Fig.2.
- 2.Mounted on Copper Pad area of 0.8x0.8" (20x20mm) per Fig.5.
- 3.8.3ms single half sine-wave, or equivalent square wave, Duty cycle=4 pulses per minutes maximum

Certified RoHS Compliant
UL File # E223026

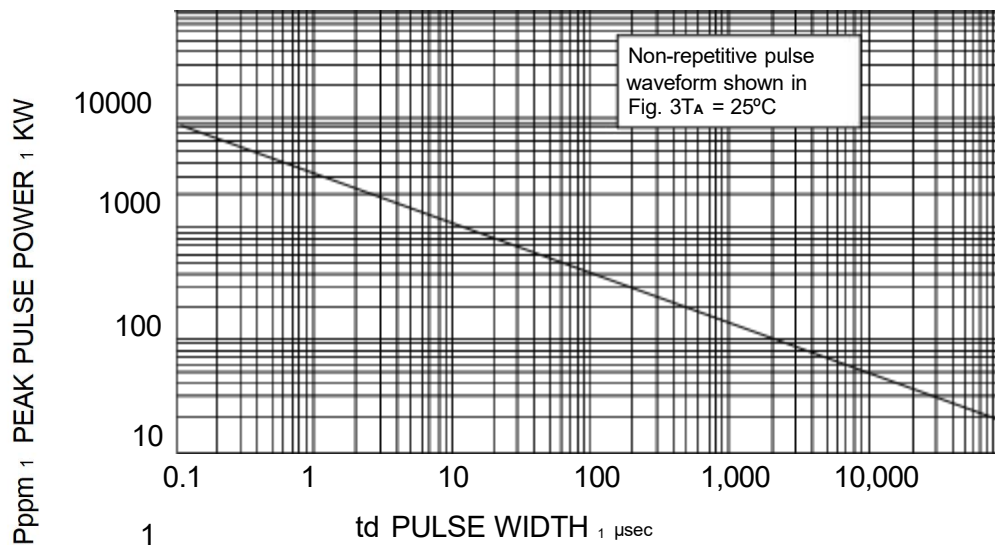


FIG. 1 PEAK PULSE POWER RATING

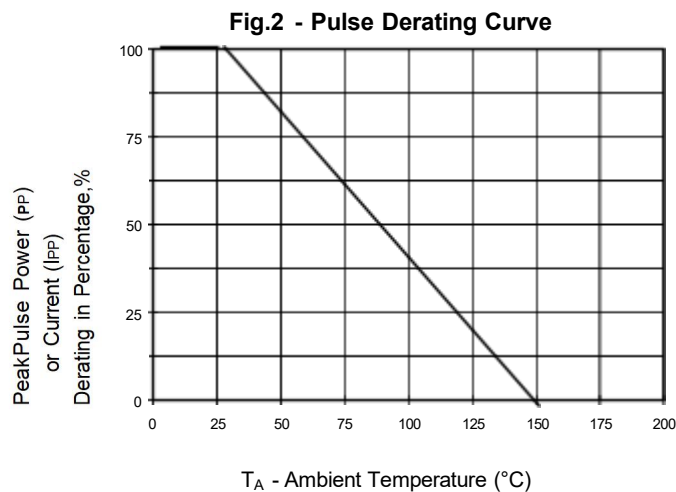
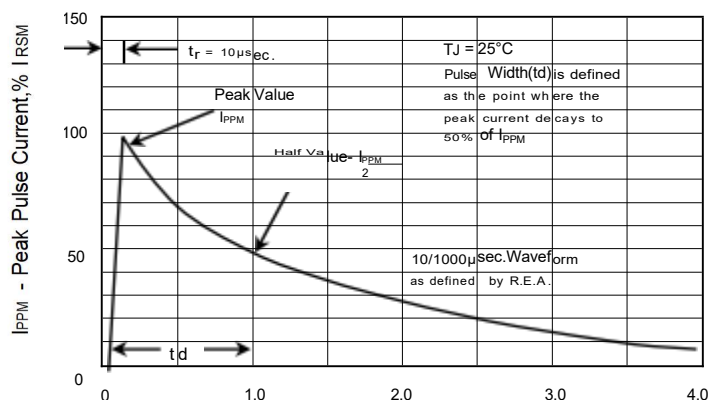


Fig.3 - Pulse Waveform





15000 Watt TVS

Part Number		Reverse Stand-Off Voltage	Breakdown Voltage @IT		Test Current	Maximum Clamping Voltage @IPP (V)	Maximum Peak Pulse Current	Maximum Reverse Leakage @VRWM	Package
Uni	Bi	VRWM (V)	VBR MIN(V)	VBR MAX(V)	IT (mA)	VC(V)	IPP (A)	IR(μA)	
15KP28A	15KP28CA	28	31.28	34.24	5	47.5	317.9	25	R6/P600
15KP30A	15KP30CA	30	33.51	36.7	5	50.7	297.8	15	R6/P600
15KP33A	15KP33CA	33	36.9	40.4	5	54.7	276.1	2	R6/P600
15KP36A	15KP36CA	36	40.2	44	5	59.8	252.5	2	R6/P600
15KP40A	15KP40CA	40	44.7	48.9	5	65.8	229.5	2	R6/P600
15KP43A	15KP43CA	43	48	52.6	5	69.8	216.3	2	R6/P600
15KP45A	15KP45CA	45	50.3	55	5	72.8	207.4	2	R6/P600
15KP48A	15KP48CA	48	53.6	58.7	5	77.7	194.3	2	R6/P600
15KP51A	15KP51CA	51	57	62.4	5	82.9	182.1	2	R6/P600
15KP54A	15KP54CA	54	60.3	66	5	87.7	172.2	2	R6/P600
15KP58A	15KP58CA	58	64.8	70.9	5	93.8	161	2	R6/P600
15KP60A	15KP60CA	60	67	73.4	5	97.4	155	2	R6/P600
15KP64A	15KP64CA	64	71.5	78.3	5	104.2	144.9	2	R6/P600
15KP70A	15KP70CA	70	78.2	85.6	5	113.6	132.9	2	R6/P600
15KP75A	15KP75CA	75	83.8	91.7	5	122	123.8	2	R6/P600
15KP78A	15KP78CA	78	87.1	95.4	5	126.1	119.7	2	R6/P600
15KP85A	15KP85CA	85	94.9	104	5	137.6	109.7	2	R6/P600
15KP90A	15KP90CA	90	100.5	110.1	5	145.6	103.7	2	R6/P600
15KP100A	15KP100CA	100	111.7	122.3	5	161.3	93.6	2	R6/P600
15KP110A	15KP110CA	110	122.9	134.5	5	178.6	84.5	2	R6/P600
15KP120A	15KP120CA	120	134	146.8	5	192.3	78.5	2	R6/P600
15KP130A	15KP130CA	130	145.2	159	5	208.3	72.5	2	R6/P600
15KP150A	15KP150CA	150	167.6	183.5	5	241.9	62.4	2	R6/P600
15KP160A	15KP160CA	160	178.7	195.7	5	258.6	58.4	2	R6/P600
15KP170A	15KP170CA	170	189.9	207.9	5	272.7	55.4	2	R6/P600
15KP180A	15KP180CA	180	201.1	220.1	5	288.5	52.3	2	R6/P600
15KP200A	15KP200CA	200	223.4	244.6	5	319.1	47.3	2	R6/P600
15KP220A	15KP220CA	220	245.7	269.1	5	428.6	42.2	2	R6/P600
15KP240A	15KP240CA	240	268.1	293.5	5	384.6	39.3	2	R6/P600
15KP260A	15KP260CA	260	290.4	318	5	416.7	36.2	2	R6/P600
15KP280A	15KP280CA	280	312.8	342.4	5	454.5	33.2	2	R6/P600
15KP300A	15KP300CA	300	335.3	370.4	5	486	30.86	2	R6/P600
15KP400A	15KP400CA	400	447	494	5	648	23.15	2	R6/P600
15KP440A	15KP440CA	440	492	543	5	713	21.04	2	R6/P600

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