

Silicon Avalanche Diodes

600 Watt Axial Leaded Transient Voltage Suppressors

RoHS P6KE Series



ELECTRICAL SPECIFICATION @ Tamb 25°C

Part Numbers		Reverse Stand off Voltage V_R (Volts)	Breakdown Voltage V_{BR} (Volts) @ I_T		Test Current I_T (mA)	Maximum Clamping Voltage V_C @ I_{PP} (Volts)	Maximum Peak Pulse Current I_{PP} (A)	Maximum Reverse Leakage I_R @ V_R (μA)
			MIN	MAX				
Uni-Polar	Bi-Polar							
P6KE6.8A	P6KE6.8CA	5.80	6.45	7.14	10	10.5	58.1	1000
P6KE7.5A	P6KE7.5CA	6.40	7.13	7.88	10	11.3	54.0	500
P6KE8.2A	P6KE8.2CA	7.02	7.79	8.61	10	12.1	50.4	200
P6KE9.1A	P6KE9.1CA	7.78	8.65	9.55	1	13.4	45.5	50
P6KE10A	P6KE10CA	8.55	9.50	10.50	1	14.5	42.1	10
P6KE11A	P6KE11CA	9.40	10.50	11.60	1	15.6	39.1	5
P6KE12A	P6KE12CA	10.20	11.40	12.60	1	16.7	36.5	5
P6KE13A	P6KE13CA	11.10	12.40	13.70	1	18.2	33.5	5
P6KE15A	P6KE15CA	12.80	14.30	15.80	1	21.2	28.8	5
P6KE16A	P6KE16CA	13.60	15.20	16.80	1	22.5	27.1	5
P6KE18A	P6KE18CA	15.30	17.10	18.90	1	25.2	24.2	5
P6KE20A	P6KE20CA	17.10	19.00	21.00	1	27.7	22.0	5
P6KE22A	P6KE22CA	18.80	20.90	23.10	1	30.6	19.9	5
P6KE24A	P6KE24CA	20.50	22.80	25.20	1	33.2	18.4	5
P6KE27A	P6KE27CA	23.10	25.70	28.40	1	37.5	16.3	5
P6KE30A	P6KE30CA	25.60	28.50	31.50	1	41.4	14.7	5
P6KE33A	P6KE33CA	28.20	31.40	34.70	1	45.7	13.3	5
P6KE36A	P6KE36CA	30.80	34.20	37.80	1	49.9	12.2	5
P6KE39A	P6KE39CA	33.30	37.10	41.00	1	53.9	11.3	5
P6KE43A	P6KE43CA	36.80	40.90	45.20	1	59.3	10.3	5
P6KE47A	P6KE47CA	40.20	44.70	49.40	1	64.8	9.4	5
P6KE51A	P6KE51CA	43.60	48.50	53.60	1	70.1	8.7	5
P6KE56A	P6KE56CA	47.80	53.20	58.80	1	77.0	7.9	5
P6KE62A	P6KE62CA	53.00	58.90	65.10	1	85.0	7.2	5
P6KE68A	P6KE68CA	58.10	64.60	71.40	1	92.0	6.6	5
P6KE75A	P6KE75CA	64.10	71.30	78.80	1	103.0	5.9	5
P6KE82A	P6KE82CA	70.10	77.90	86.10	1	113.0	5.4	5
P6KE91A	P6KE91CA	77.80	86.50	95.50	1	125.0	4.9	5
P6KE100A	P6KE100CA	85.50	95.00	105.00	1	137.0	4.5	5
P6KE110A	P6KE110CA	94.00	105.00	116.00	1	152.0	4.0	5
P6KE120A	P6KE120CA	102.00	114.00	126.00	1	165.0	3.7	5
P6KE130A	P6KE130CA	111.00	124.00	137.00	1	179.0	3.4	5
P6KE150A	P6KE150CA	128.00	143.00	158.00	1	207.0	2.9	5
P6KE160A	P6KE160CA	136.00	152.00	168.00	1	219.0	2.8	5
P6KE170A	P6KE170CA	145.00	162.00	179.00	1	234.0	2.6	5
P6KE180A	P6KE180CA	154.00	171.00	189.00	1	246.0	2.5	5
P6KE200A	P6KE200CA	171.00	190.00	210.00	1	274.0	2.2	5
P6KE220A	P6KE220CA	185.00	209.00	231.00	1	328.0	1.9	5
P6KE250A	P6KE250CA	214.00	237.00	263.00	1	344.0	1.8	5
P6KE300A	P6KE300CA	256.00	285.00	315.00	1	414.0	1.5	5
P6KE350A	P6KE350CA	300.00	332.00	368.00	1	482.0	1.3	5
P6KE400A	P6KE400CA	342.00	380.00	420.00	1	548.0	1.1	5
P6KE440A	P6KE440CA	376.00	418.00	462.00	1	602.0	1.0	5
P6KE480A	P6KE480CA	408.00	456.00	504.00	1	658.0	0.9	5
P6KE510A	P6KE510CA	434.00	485.00	535.00	1	698.0	0.9	5
P6KE530A	P6KE530CA	450.00	503.50	556.50	1	725.0	0.8	5
P6KE540A	P6KE540CA	459.00	513.00	567.00	1	740.0	0.8	5
P6KE550A	P6KE550CA	467.00	522.50	577.50	1	760.0	0.8	5

For bidirectional type having V_{RWM} of 10 volts and less, the I_R limit is double.

For parts without A, the V_{BR} is $\pm 10\%$

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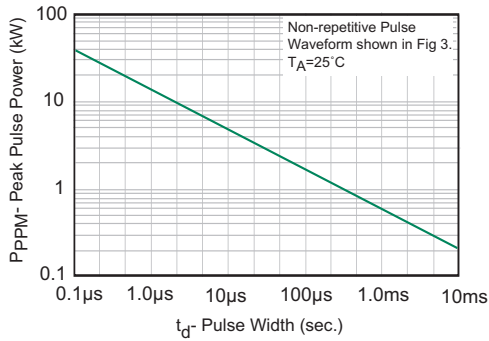


Fig. 1 Peak Pulse Power Rating

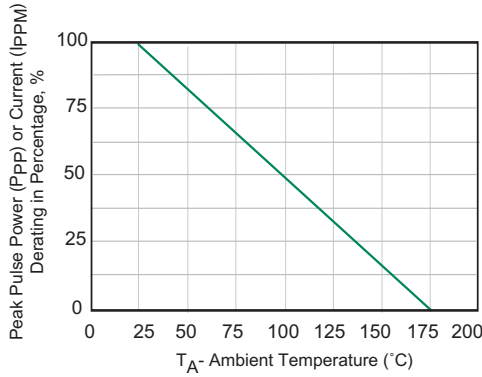


Fig. 2 Pulse Derating Curve

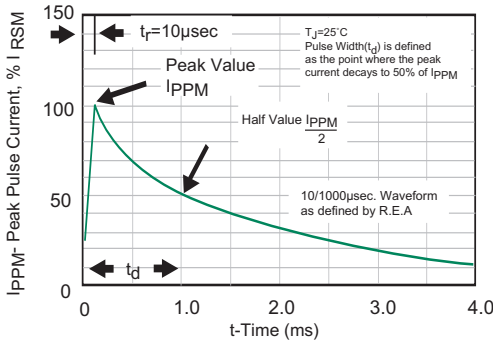


Fig. 3 Pulse Waveform

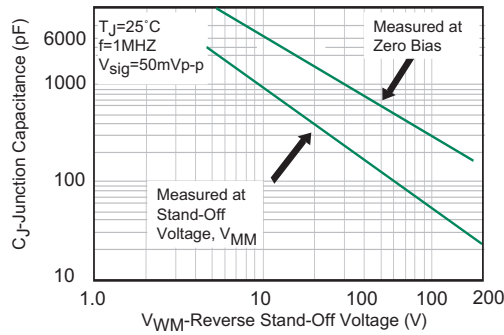


Fig. 4- Typical Junction Capacitance Uni-Directional

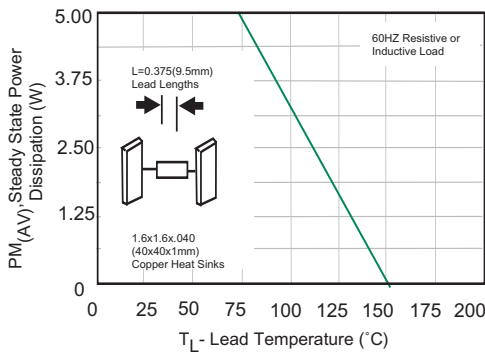


Fig. 5 Steady State Power Derating Curve

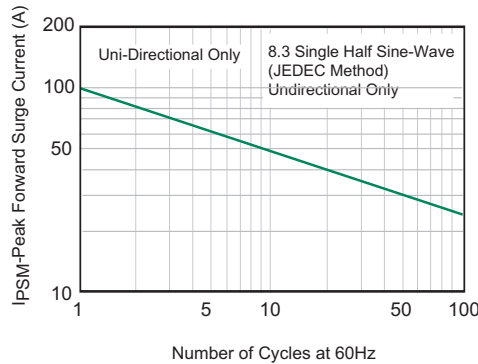


Fig. 6- Max. Non-Repetitive Forward Surge Current

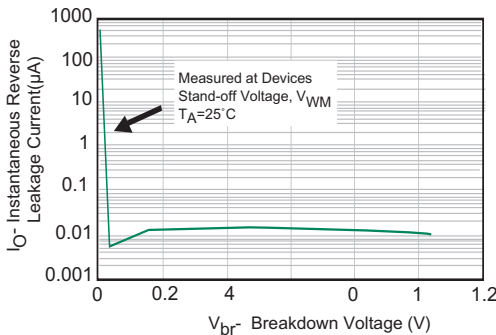


Fig. 7- Typical Reverse Leakage Characteristics

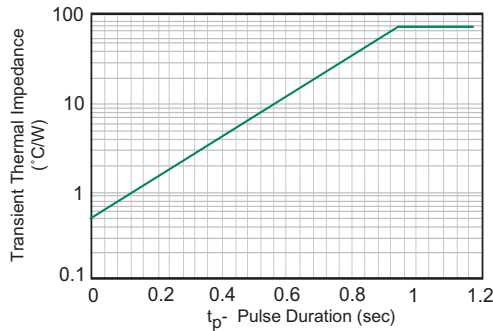


Fig. 8- Typ. Transient Thermal Impedance

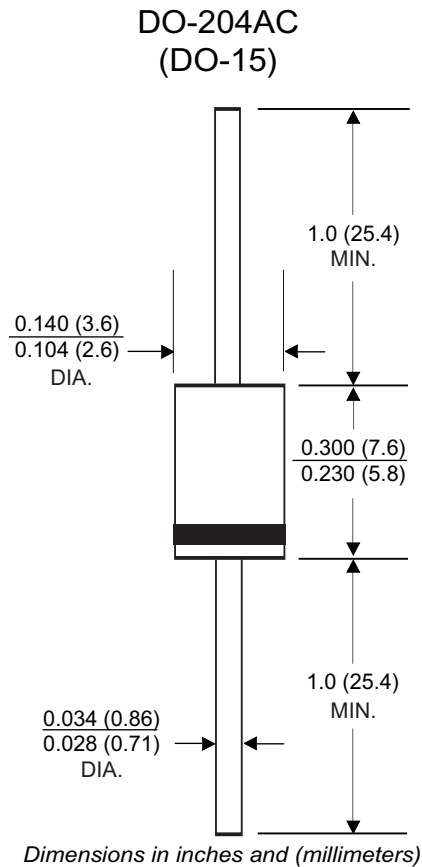
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Outline Dimensions



6
SILICON DIODE
ARRAYS

单击下面可查看定价，库存，交付和生命周期等信息

[>>Littelfuse\(美国力特\)](#)