

Electrical Characteristics (@TA = +25°C, unless otherwise specified.)

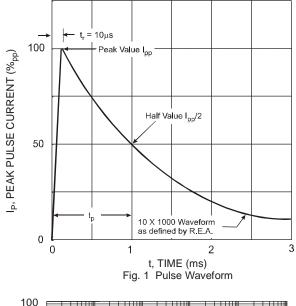
Type Number	Type Number	Reverse Standoff	Breakdown Voltage		Test	Max Reverse Leakage	Max Clamping	Max Peak
(Note 4)	(Note 4)	Voltage	V _{BR}	@ I T	Current	(Note 5) @ V _R	Voltage @ I _{PP}	Pulse Current
(UNI)	(BI)	V _{RWM} (V)	Min (V)	Max (V)	I _T (mA)	I _R (μA)	V _C (V)	I _{PP} (A)
P6KE6V8A F	P6KE6V8CA	5.80	6.45	7.14	10	1000	10.5	57.0
P6KE7V5A F	P6KE7V5CA	6.40	7.13	7.88	10	500	11.3	53.0
	P6KE8V2CA	7.02	7.79	8.61	10	200	12.1	50.0
	P6KE9V1CA	7.78	8.65	9.55	1.0	50	13.4	45.0
	P6KE10CA	8.55	9.50	10.50	1.0	10	14.5	41.0
	P6KE11CA	9.40	10.50	11.60	1.0	5.0	15.6	38.0
l	P6KE12CA	10.20	11.40	12.60	1.0	5.0	16.7	36.0
	P6KE13CA	11.10	12.40	13.70	1.0	5.0	18.2	33.0
l	P6KE15CA	12.80	14.30	15.80	1.0	5.0	21.2	28.0
	P6KE16CA	13.60	15.20	16.80	1.0	5.0	22.5	27.0
h	P6KE18CA P6KE20CA	15.30 17.10	17.10	18.90	1.0	5.0 5.0	25.2 27.7	24.0 22.0
	P6KE20CA P6KE22CA	18.80	19.00 20.90	21.00 23.10	1.0	5.0	30.6	20.0
h	P6KE24CA	20.50	22.80	25.20	1.0	5.0	33.2	18.0
	P6KE27CA	23.10	25.70	28.40	1.0	5.0	37.5	16.0
	P6KE30CA	25.60	28.50	31.50	1.0	5.0	41.4	14.40
<u> </u>	P6KE33CA	28.20	31.40	34.70	1.0	5.0	45.7	13.20
-	P6KE36CA	30.80	34.20	37.80	1.0	5.0	49.9	12.00
	P6KE39CA	33.30	37.10	41.00	1.0	5.0	53.9	11.20
P6KE43A	P6KE43CA	36.80	40.90	45.20	1.0	5.0	59.3	10.10
P6KE47A	P6KE47CA	40.20	44.70	49.40	1.0	5.0	64.8	9.30
P6KE51A	P6KE51CA	43.60	48.50	53.60	1.0	5.0	70.1	8.60
P6KE56A	P6KE56CA	47.80	53.20	58.80	1.0	5.0	77.0	7.80
P6KE62A	P6KE62CA	53.00	58.90	65.10	1.0	5.0	85.0	7.10
P6KE68A	P6KE68CA	58.10	64.60	71.40	1.0	5.0	92.0	6.50
P6KE75A	P6KE75CA	64.10	71.30	78.80	1.0	5.0	103.0	5.80
P6KE82A	P6KE82CA	70.10	77.90	86.10	1.0	5.0	113.0	5.30
	P6KE91CA	77.80	86.50	95.50	1.0	5.0	125.0	4.80
	P6KE100CA	85.50	95.00	105.00	1.0	5.0	137.0	4.40
	P6KE110CA	94.00	105.00	116.00	1.0	5.0	152.0	4.00
	P6KE120CA	102.00	114.00	126.00	1.0	5.0	165.0	3.60
	P6KE130CA	111.00	124.00	137.00	1.0	5.0	179.0	3.30
	P6KE150CA	128.00	143.00	158.00	1.0	5.0	207.0	2.90
	P6KE160CA	136.00	152.00	168.00	1.0	5.0	219.0	2.70
h	P6KE170CA	145.00	162.00	179.00	1.0	5.0	234.0	2.60
	P6KE180CA P6KE200CA	154.00 171.00	171.00 190.00	189.00 210.00	1.0	5.0 5.0	246.0 274.0	2.40 2.20
l	P6KE200CA P6KE220CA	185.00	209.00	231.00	1.0	5.0	328.0	1.83
h	P6KE250CA	214.00	237.00	263.00	1.0	5.0	344.0	1.75
l	P6KE300CA	256.00	285.00	315.00	1.0	5.0	414.0	1.75
h	P6KE350CA	300.00	332.00	368.00	1.0	5.0	482.0	1.45
	P6KE400CA	342.00	380.00	420.00	1.0	5.0	548.0	1.10

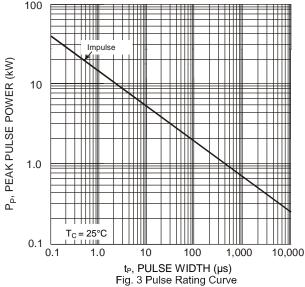
Notes: 4. Suffix 'C' denotes bidirectional device.

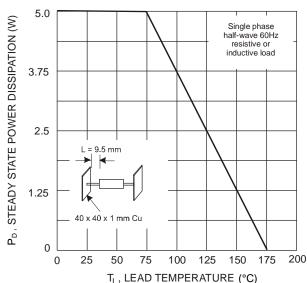
^{5.} For bidirectional devices having V_R of 10 volts and under, the I_R limit is doubled.



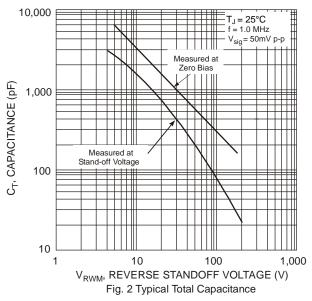


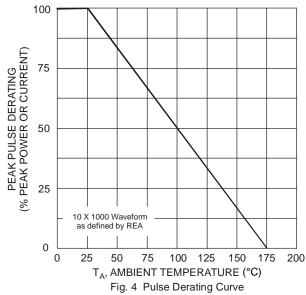


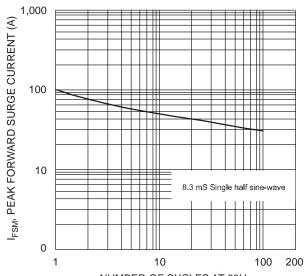




T_L, LEAD TEMPERATURE (°C) Fig. 5, Steady State Power Derating





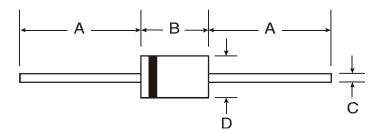


NUMBER OF CYCLES AT 60Hz Fig. 6 Peak Forward Surge Current vs. Number of Cycles at 60Hz



Package Outline Dimensions

Please see http://www.diodes.com/package-outlines.html for the latest version.



DO-15						
Dim	Min	Max				
Α	25.40	_				
В	5.50	7.62				
С	0.686	0.889				
D	2.60	3.60				
All Dimensions in mm						

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