

P6KE6.8A THRU P6KE440A
P6KE6.8CA THRU P6KE440CA

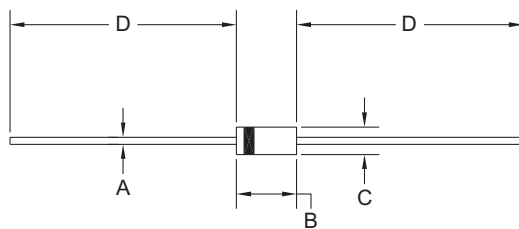
UNI-DIRECTIONAL
AND BI-DIRECTIONAL
SILICON TRANSIENT
VOLTAGE SUPPRESSORS
600 WATTS, 6.8 THRU 440 VOLTS



ELECTRICAL CHARACTERISTICS - Continued: ($T_A=25^\circ\text{C}$ unless otherwise noted)

TYPE	BREAKDOWN VOLTAGE			TEST CURRENT I_T mA	WORKING PEAK REVERSE VOLTAGE V_{RWM} V	MAXIMUM REVERSE LEAKAGE CURRENT $I_R @ V_{RWM}$ μA	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ V	PEAK PULSE CURRENT (Note 1) I_{PP} A	MAXIMUM TEMPERATURE COEFFICIENT ΘV_{BR} %/ $^\circ\text{C}$
	$V_{BR} @ I_T$								
	MIN V	NOM V	MAX V						
P6KE47	44.7	47	49.4	1.0	40.2	5.0	64.8	9.3	0.101
P6KE51	48.5	51	53.6	1.0	43.6	5.0	70.1	8.6	0.102
P6KE56	53.2	56	58.8	1.0	47.8	5.0	77	7.8	0.103
P6KE62	58.9	62	65.1	1.0	53.0	5.0	85	7.1	0.104
P6KE68	64.6	68	71.4	1.0	58.1	5.0	92	6.5	0.104
P6KE75	71.3	75	78.8	1.0	64.1	5.0	103	5.8	0.105
P6KE82	77.9	82	86.1	1.0	70.1	5.0	113	5.3	0.105
P6KE91	86.5	91	95.5	1.0	77.8	5.0	125	4.8	0.106
P6KE100	95.0	100	105	1.0	85.5	5.0	137	4.4	0.106
P6KE110	104.5	110	115.5	1.0	94.0	5.0	152	4.0	0.107
P6KE120	114	120	126	1.0	102	5.0	165	3.6	0.107
P6KE130	123.5	130	136.5	1.0	111	5.0	179	3.3	0.107
P6KE150	142.5	150	157.5	1.0	128	5.0	207	2.9	0.108
P6KE160	152	160	168	1.0	136	5.0	219	2.7	0.108
P6KE170	161.5	170	178.5	1.0	145	5.0	234	2.6	0.108
P6KE180	171	180	189	1.0	154	5.0	246	2.4	0.108
P6KE200	190	200	210	1.0	171	5.0	274	2.2	0.108
P6KE220	209	220	231	1.0	185	5.0	328	2.0	0.108
P6KE250	237.5	250	262.5	1.0	214	5.0	344	2.0	0.110
P6KE300	285	300	315	1.0	256	5.0	414	2.0	0.110
P6KE350	332.5	350	367.5	1.0	300	5.0	482	2.0	0.110
P6KE400	380	400	420	1.0	342	5.0	548	2.0	0.110
P6KE440	418	440	462	1.0	376	5.0	600	2.0	0.110

DO-15 CASE - MECHANICAL OUTLINE



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.028	0.034	0.71	0.86
B	0.230	0.300	5.84	7.62
C	0.104	0.140	2.64	3.56
D	1.000	-	25.40	-

DO-15 (REV: R1)

MARKING: FULL PART NUMBER
Bi-directional devices shall not be marked with a Cathode band.

R1 (8-September 2011)