

Electrical Characteristics @T_A = 25°C unless otherwise specified

Type Number (Note 2)	Type Number (Note 2)	Reverse Standoff Voltage	Breakdown Voltage V _{BR @ IT}		Test Current	Max Reverse Leakage (Note 3) @ V _R	Max Clamping Voltage @ I _{pp}	Max Peak Pulse Current
(UNI)	(BI)	V _{RWM} (V)	Min (V)	Max (V)	I _T (mA)	I _R (μA)	V _c (V)	I _{PP} (A)
P6KE6V8A	P6KE6V8CA	5.80	6.45	7.14	10	1000	10.5	57.0
P6KE7V5A	P6KE7V5CA	6.40	7.13	7.88	10	500	11.3	53.0
P6KE8V2A	P6KE8V2CA	7.02	7.79	8.61	10	200	12.1	50.0
P6KE9V1A	P6KE9V1CA	7.78	8.65	9.55	1.0	50	13.4	45.0
P6KE10A	P6KE10CA	8.55	9.50	10.50	1.0	10	14.5	41.0
P6KE11A	P6KE11CA	9.40	10.50	11.60	1.0	5.0	15.6	38.0
P6KE12A	P6KE12CA	10.20	11.40	12.60	1.0	5.0	16.7	36.0
P6KE13A	P6KE13CA	11.10	12.40	13.70	1.0	5.0	18.2	33.0
P6KE15A	P6KE15CA	12.80	14.30	15.80	1.0	5.0	21.2	28.0
P6KE16A	P6KE16CA	13.60	15.20	16.80	1.0	5.0	22.5	27.0
P6KE18A	P6KE18CA	15.30	17.10	18.90	1.0	5.0	25.2	24.0
P6KE20A	P6KE20CA	17.10	19.00	21.00	1.0	5.0	27.7	22.0
P6KE22A	P6KE22CA	18.80	20.90	23.10	1.0	5.0	30.6	20.0
P6KE24A	P6KE24CA	20.50	22.80	25.20	1.0	5.0	33.2	18.0
P6KE27A	P6KE27CA	23.10	25.70	28.40	1.0	5.0	37.5	16.0
P6KE30A	P6KE30CA	25.60	28.50	31.50	1.0	5.0	41.4	14.40
P6KE33A	P6KE33CA	28.20	31.40	34.70	1.0	5.0	45.7	13.20
P6KE36A	P6KE36CA	30.80	34.20	37.80	1.0	5.0	49.9	12.00
P6KE39A	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
POKEDOA	POKEOOCA	47.80	53.20	58.80	1.0	5.0	77.0	7.80
POREOZA	P6KE62CA	53.00	56.90	65.10	1.0	5.0	85.0 02.0	7.10
POREDOA	POREOSCA	58.10	04.00 71.20	71.40	1.0	5.0	92.0	6.50 5.90
PORE73A	PORE73CA	70.10	71.30	86.10	1.0	5.0	113.0	5.30
P6KE91A	P6KE91CA	70.10	86.50	95.50	1.0	5.0	125.0	4.80
P6KE100A	P6KE100CA	85.50	95.00	105.00	1.0	5.0	137.0	4.00
P6KF110A	P6KF110CA	94.00	105.00	116.00	1.0	5.0	152.0	4.00
P6KE120A	P6KE120CA	102.00	114.00	126.00	1.0	5.0	165.0	3.60
P6KE130A	P6KE130CA	111.00	124.00	137.00	1.0	5.0	179.0	3.30
P6KE150A	P6KE150CA	128.00	143.00	158.00	1.0	5.0	207.0	2.90
P6KE160A	P6KE160CA	136.00	152.00	168.00	1.0	5.0	219.0	2.70
P6KE170A	P6KE170CA	145.00	162.00	179.00	1.0	5.0	234.0	2.60
P6KE180A	P6KE180CA	154.00	171.00	189.00	1.0	5.0	246.0	2.40
P6KE200A	P6KE200CA	171.00	190.00	210.00	1.0	5.0	274.0	2.20
P6KE220A	P6KE220CA	185.00	209.00	231.00	1.0	5.0	328.0	1.83
P6KE250A	P6KE250CA	214.00	237.00	263.00	1.0	5.0	344.0	1.75
P6KE300A	P6KE300CA	256.00	285.00	315.00	1.0	5.0	414.0	1.45
P6KE350A	P6KE350CA	300.00	332.00	368.00	1.0	5.0	482.0	1.25
P6KE400A	P6KE400CA	342.00	380.00	420.00	1.0	5.0	548.0	1.10

Notes: 2. Suffix 'C' denotes bidirectional device.

3. For bidirectional devices having V_{R} of 10 volts and under, the I_{R} limit is doubled.





P6KE6V8(C)A - P6KE400(C)A



P6KE6V8(C)A - P6KE400(C)A Document number: DS21502 Rev. 18 - 2 Downloaded from Arrow.com.



Ordering Information (Note 4)

Part Number	Case	Packaging
(Type Number)-B*	DO-15	500/Bulk
(Type Number)-T*	DO-15	4K/Tape & Reel, 13-inch

* Add "-B" or "-T" to the appropriate type number in Table 1 for Bulk or Tape & Reel, respectively. Example: 6.40V VRWM = P6KE7V5A-B for Bulk, P6KE7V5A-T for Tape & Reel.

Notes: 4. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02008.pdf.

Package Outline Dimensions



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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