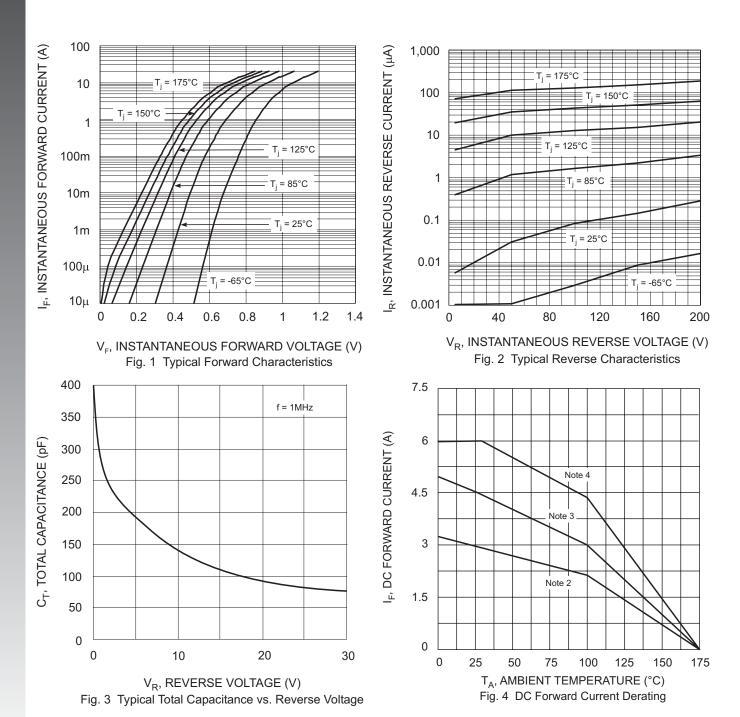
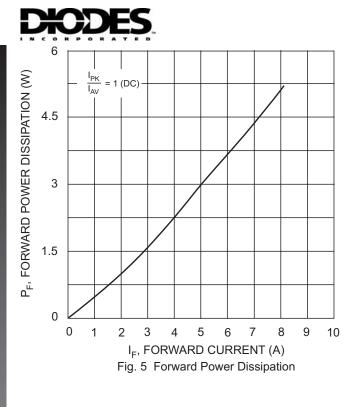


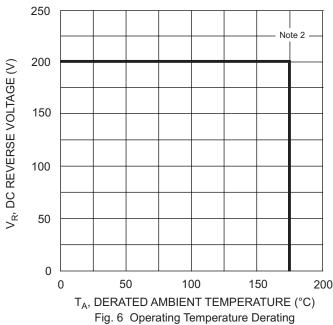
Electrical Characteristics @ $T_A = 25^{\circ}C$ unless otherwise specified

Characteristic	Symbol	Value	Unit	Test Condition
Minimum Reverse Breakdown Voltage (Note 5)	V _{(BR)R}	200	V	I _R = 5μA
Maximum Forward Voltage	V _{FM}	0.940 0.860 0.975 0.895	V	I _F = 6A, T _S = 25°C I _F = 6A, T _S = 150°C I _F = 8A, T _S = 25°C I _F = 8A, T _S = 150°C
Maximum Reverse Leakage Current (Note 5)	I _{RM}	5 500	μА	T _S = 25°C, V _R = 200V T _S = 100°C, V _R = 200V
Maximum Reverse Recovery Time	t _{rr}	25		I _F = 0.5A, I _R = 1.0A I _{RR} = 0.25A (See figure 7)

Notes: 5. Short duration test pulse used to minimize self-heating effect.







50Ω NI (Non-inductive) 10Ω NI Device Under (-) (+) Pulse 50V DC Generator Approx (Note 2) (-) **≸**1.0Ω**♦** (+) Oscilloscope (Note 1) Notes:

+0.5A 0A -0.25A -1.0A

- 1. Rise Time = 7.0ns max. Input Impedance = 1.0M Ω , 22pF.
- 2. Rise Time = 10ns max. Input Impedance = 50Ω .

Set time base for 50/100 ns/cm

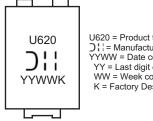
Fig. 7 Reverse Recovery Time Characteristic and Test Circuit

Ordering Information (Note 6)

Device		Packaging	Shipping
	PDU620-13	PowerDI [™] 5	5000/Tape & Reel

Notes: 6. For Packaging Details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

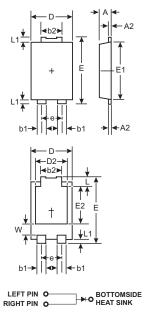
Marking Information



U620 = Product type marking code The Manufacturers' code marking YYWW = Date code marking YY = Last digit of year ex: 06 for 2006 WW = Week code 01 to 52 K = Factory Designator



Package Outline Dimensions



Pins Left & Right must be electrically connected at the printed circuit board.

	PowerDI [™] 5					
Dim	Min	Max				
Α	1.05	1.15				
A2	0.33	0.43				
b1	0.80	0.99				
b2	1.70	1.88				
D	3.90	4.05				
D2	3.05 NOM					
Е	6.40	6.60				
е	1.84 NOM					
E1	5.30	5.45				
E2	3.55 NOM					
L	0.75	0.95				
L1	0.50	0.65				
W	1.20	1.50				
All Dimensions in mm						

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