

PR2001 thru PR2007

FAST RECOVERY RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes

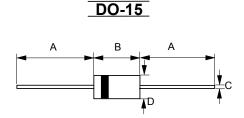
FEATURES

- Fast switching for high efficiency
- Low cost
- Diffused junction
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic
Polarity: Color band denotes cathode
Weight: 0.015 ounces, 0.4 grams

Mounting position : Any



	DO-15						
Dim.	Min.	Max.					
Α	25.4	-					
В	5.80	7.60					
С	0.71 Ø	0.86 Ø					
D	2.60 Ø	3.60 Ø					
All Dimensions in millimeter							

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS		SYMBOL	PR2001	PR2002	PR2003	PR2004	PR2005	PR2006	PR2007	UNIT
Maximum Recurrent Peak Reverse Vo	oltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current)TA=50°C	I(AV)				2.0				Α
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC	Method)	İFSM				50				А
Maximum forward Voltage at 2.0A DC	:	VF				1.2				V
at Datad DO Disabbas Valtage	@T」=25℃ ?T」=100℃	lR	5.0 100					uA uA		
Maximum Reverse Recovery Time (No	ote 1)	TRR		15	0		250	50	0	ns
Typical Junction Capacitance (Note 2)		CJ		45	5			25		pF
Typical Thermal Resistance (Note 3)		Reja				50				°C/W
Operating Temperature Range		TJ	-55 to +125				°C			
Storage Temperature Range		Tstg	-55 to +150					°C		
NOTES: 1 Maggired with IE=0.5A In=1A Inn=0.25A										

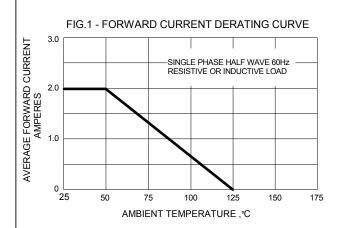
NOTES: 1.Measured with IF=0.5A,IR=1A,IRR=0.25A.

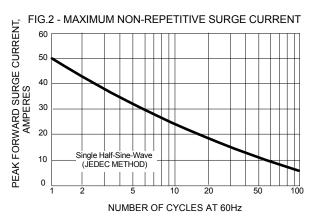
2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

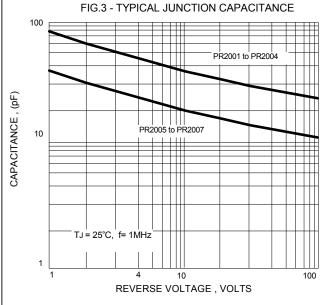
3. Thermal Resistance Junction to Ambient.

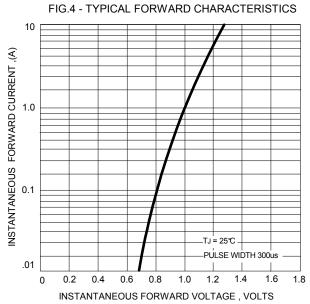
REV. 3, Oct-2010, KDBD02













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