### **FAST RECOVERY RECTIFIERS**

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.5 Amperes

#### **FEATURES**

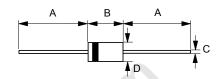
- Fast switching for high efficiency
- Low cost
- Diffused junction
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0

### **MECHANICAL DATA**

Case: JEDEC DO-41 molded plastic
Polarity: Color band denotes cathode
Weight: 0.012 ounces, 0.34 grams

Mounting position : AnyMarking: PR150X

## DO-41



	DO-41						
Dim.	Min.	Max.					
Α	25.4	-					
В	4.10	5.20					
С	0.71 Ø	0.86 Ø					
D	2.00 Ø	2.70 Ø					
All Dimensions in millimeter							

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	PR 1501S	PR 1502S	PR 1503S	PR 1504S	PR 1505S	PR 1506S	PR 1507S	UNIT
Maximum Recurrent Peak Reverse Voltage	e 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)				1.5				А
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Met	lFSM				50				А
Maximum forward Voltage at 1.5A DC	VF				1.2				V
at Data d DO Dia akina Maltana	=25℃ 100℃ IR	5 100						uA uA	
Maximum Reverse Recovery Time (Note	1) T <sub>RR</sub>		15	0		250	50	00	ns
Typical Junction Capacitance (Note 2)	Cı		30	)			20		pF
Typical Thermal Resistance (Note 3)	Reja				50				°C/W
Operating Temperature Range	TJ	-55 to +125					°C		
Storage Temperature Range	Тѕтс	-55 to +150						°C	
DEV. 0.000.000									

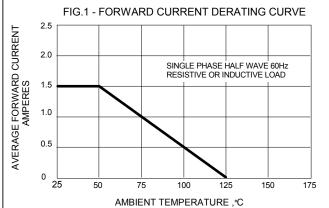
NOTES: 1.Measured with IF=0.5A,IR=1A,IRR=0.25A.

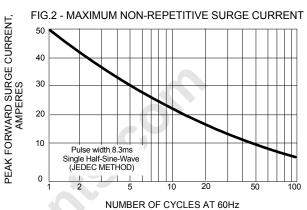
2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

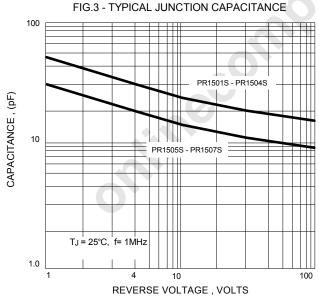
3. Thermal Resistance Junction to Ambient.

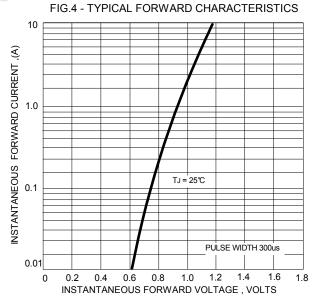
REV. 4, Oct-2010, KDBC03













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