

PR1001L thru PR1007L

FAST RECOVERY RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere

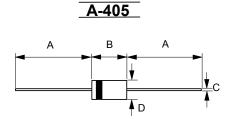
FEATURES

- 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 A-405 molded plastic
Polarity: Color band denotes cathode
Weight: 0.008 ounces, 0.22 grams

Mounting position : Any



	A-405						
Dim.	Min.	Max.					
Α	25.4	-					
В	4.10	5.20					
С	0.53 Ø	0.64 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	PR1001L	PR1002L	PR1003L	PR1004L	PR1005L	PR1006L	PR1007L	UNIT
Maximum Recurrent Peak Reverse Voltage	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 =75°C	l(AV)	1.0						Α	
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load(JEDEC Method)	IFSM	эм 30						А	
Maximum forward Voltage at 1.0A DC	VF	1.2					V		
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =100°C	lR	5.0 100						uA uA	
Maximum Reverse Recovery Time (Note 1)	TRR	150 250 50				00	ns		
Typical Junction Capacitance (Note 2)	Сл	25 15					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		

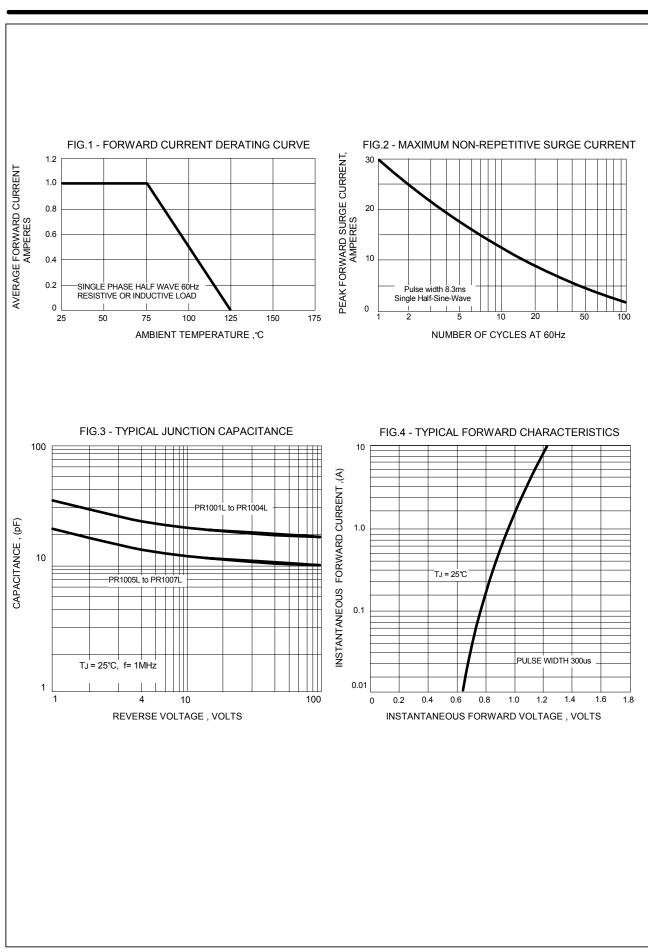
NOTES: 1.Measured with IF=0.5A, IR=1A, IRR=0.25A.

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

3. Thermal Resistance Junction to Ambient at .375"(9.5mm) Lead Lengths.

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