

### SF3001PT - SF3006PT

## Pb



#### Features

♦ UL Recognized File # E-326243

RoHS

- ♦ Dual rectifier construction, positive center-tap
- Plastic package has Underwriters Laboratory Flammability Classifications 94V-0
- ♦ Glass passivated chip junctions
- ♦ Superfast recovery time, high voltage
- ♦ Low forward voltage, high current capability
- ♦ Low thermal resistance
- ♦ Low power loss, high efficiency
- High temperature soldering guasanteed: 260°C / 10 seconds, 0.16"(4.06mm)
- ♦ lead lengths at 5 lbs., (2.3kg) tesion
- Green compound with suffix "G" on packing code & prefix "G" on datecode.

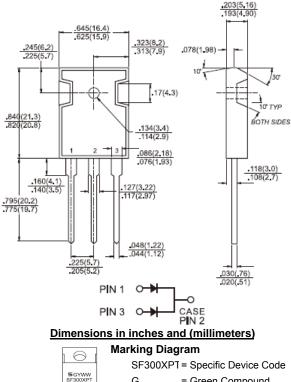
#### Mechanical Data

- ♦ Cases: JEDEC TO-3P/TO-247AD molded plastic
- Terminals: Pure tin plated, lead free, solderable per MIL-STD-750, Method 2026
- ♦ Polarity: As marked
- ♦ Mounting position: Any
- ♦ Weight: 5.6 grams

## **Maximum Ratings and Electrical Characteristics**

Rating at 25  $^\circ\!\mathbb{C}$  ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

30.0AMPS. Glass Passivated Super Fast Rectifiers TO-3P/TO-247AD



SF300XPT = Specific Device			
G	= Green Compound		
Y	= Year		
WW	= Work Week		

<b>T</b> 00 00	<b>PT</b> 150	<u>PT</u> 200	PT	PT	1
0			300	400	V
	105	140	210	280	V
00	150	200	300	400	V
30					A
300					А
0.95 1.3					V
10 500					uA uA
35					nS
175					pF
1.0					°C/W
- 55 to + 150					°C
- 55 to + 150					°C
		30 30 0.95 11 50 30 30 17 1. - 55 to	30 300 0.95 10 500 35 175 1.0 - 55 to + 150	30 300 0.95 10 500 35 175 1.0 - 55 to + 150	30 300 0.95 1.3 10 500 35 1.75 1.0 - 55 to + 150

Note 1: Pulse Test with PW=300 usec, 1% Duty Cycle

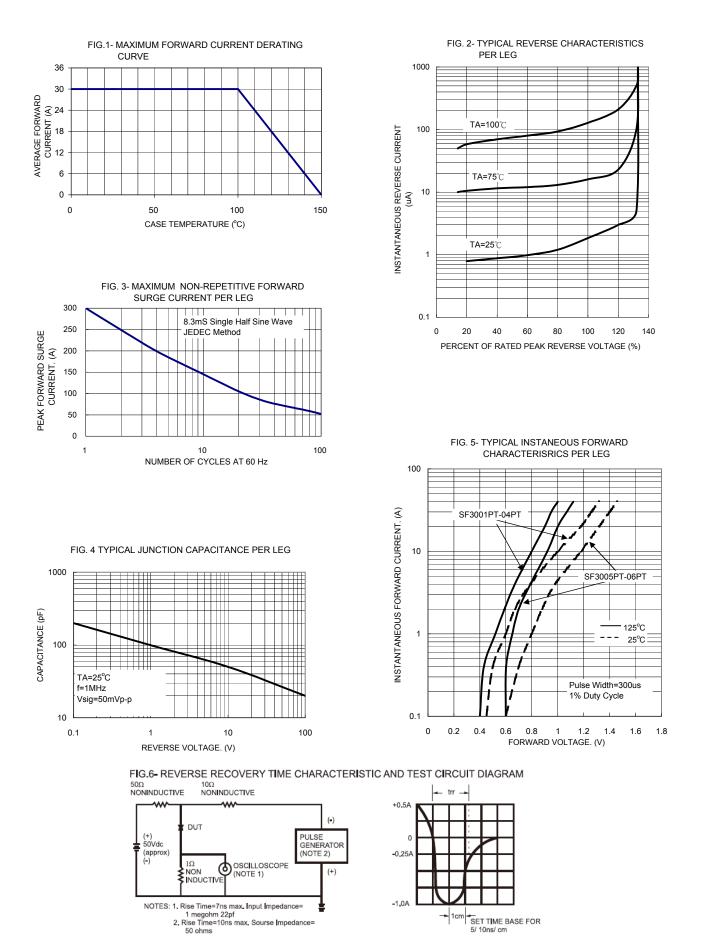
Note 2: Reverse Recovery Test Conditions:  $I_F$ =0.5A,  $I_R$ =1.0A, Recover to 0.25A.

Note 3: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

Note 4: Mounted on 4" x 6" x 0.25" Al-Plate.



#### RATINGS AND CHARACTERISTIC CURVES (SF3001PT THRU SF3006PT)



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