

Dimensions in inches and (millimeters)

SU4

200

UNITS

Volts 1/-14

2006-12

SU3

150

RATINGS

MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

Maximum Recurrent Peak Reverse Voltage

VRMS	35	70	105	140	Volts	
V _{DC}	50	100	150	200	Volts	
Ι _Ο	1.0					
I _{FSM}	20					
R _{θJA}	120					
RθJL	20					
CJ	18					
TJ	150					
T _{STG}	-55 to + 150					
	V _{DC} I _O I _{FSM} R _{θJA} R _{θJL} C _J T _J	V _{DC} 50 Io I IFSM RθJA RθJL CJ TJ	V _{DC} 50 100 I _O 1. 1. I _{FSM} 22 R _{θJA} 12 C _J 1. T _J 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	

SU1

50

SU2

100

SYMBOL

 V_{RRM}

FLECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

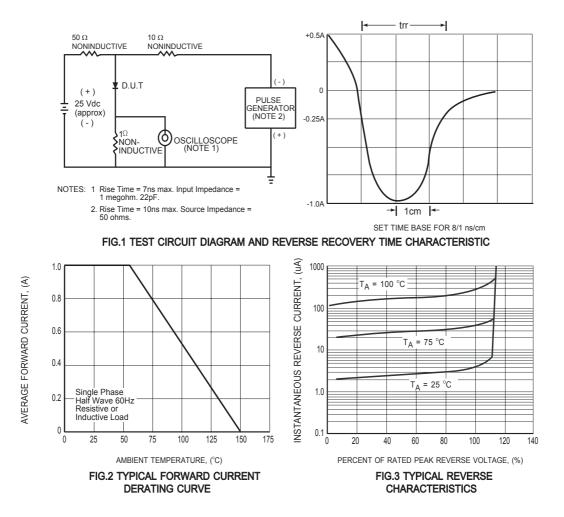
CHARACTERISTICS SYMBO		SYMBOL	SU1	SU2	SU3	SU4	UNITS
Maximum Instantaneous Forward Voltage	e at 1.0A DC	VF	0.95				
Maximum Average Reverse Current	@T _A = 25°C	1-	5				μA
at Rated DC Blocking Voltage	@T _A = 100°C	'R		35	50		μA
Maximum Reverse Recovery Time (Note 4)		trr	20				nSec

NOTES : 1. Thermal Resistance :Mounted on PCB.

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

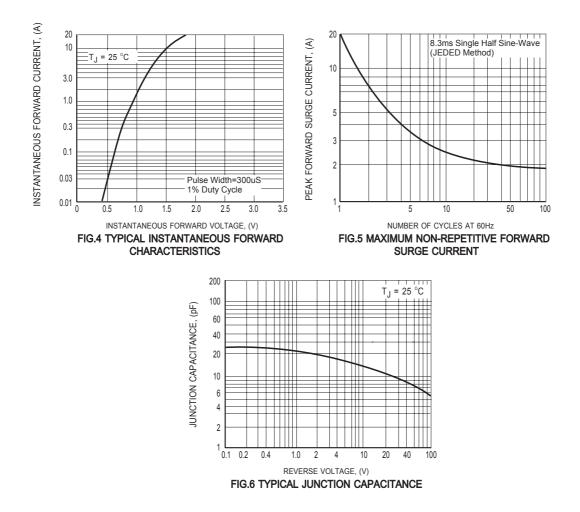
3. "Fully ROHS compliant","100% Sn plating (Pb-free)". 4. Test Conditions: I_F = 0.5A, I_R = -1.0A, I_R R= -0.25A.

RATING AND CHARACTERISTICS CURVES (SU1 THRU SU4)



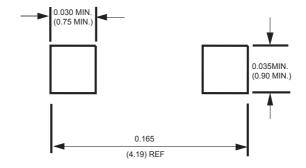
ERECTRON -







Mounting Pad Layout



Dimensions in inches and (millimeters)



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