

Dimensions in inches and (millimeters)

SU3L

UNITS

2006-12

SU4L

RATINGS SYMBOL

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

Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	Volts	
Maximum RMS Voltage	V _{RMS}	35	70	105	140	Volts	
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	Volts	
Maximum Average Forward Rectified Current at $T_A = 55^{\circ}C$	Ιo	1.0					
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	20					
Typical Thermal Resistance (Note 1)	R _{θJA}	120					
Typical Thermal Resistance (Note 1)	RθJL	20					
Typical Junction Capacitance (Note 2)	CJ	18					
Operating Temperature Range	TJ	150					
Storage Temperature Range	T _{STG}	-55 to + 150					

SU1L

SU2L

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

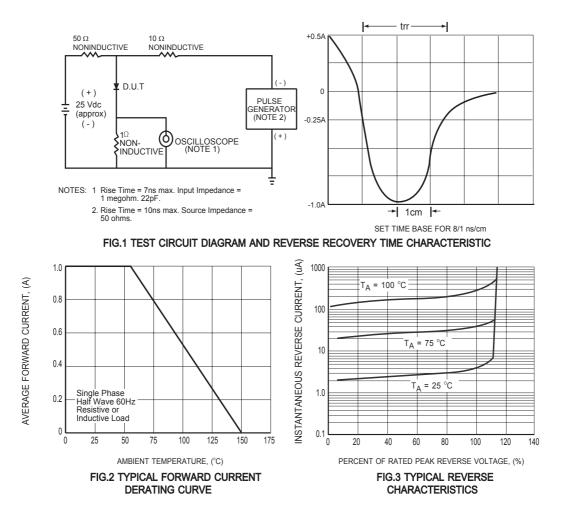
CHARACTERISTICS		SYMBOL	SU1L	SU2L	SU3L	SU4L	UNITS
Maximum Instantaneous Forward Voltage	rward Voltage at 1.0A DC V _F 0.95					Volts	
Maximum Average Reverse Current	@T _A = 25°C	1-	5				
at Rated DC Blocking Voltage	@T _A = 100°C	IR	350				
Maximum Reverse Recovery Time (Note 4)		trr	20				nSec

NOTES : 1. Thermal Resistance :Mounted on PCB.

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

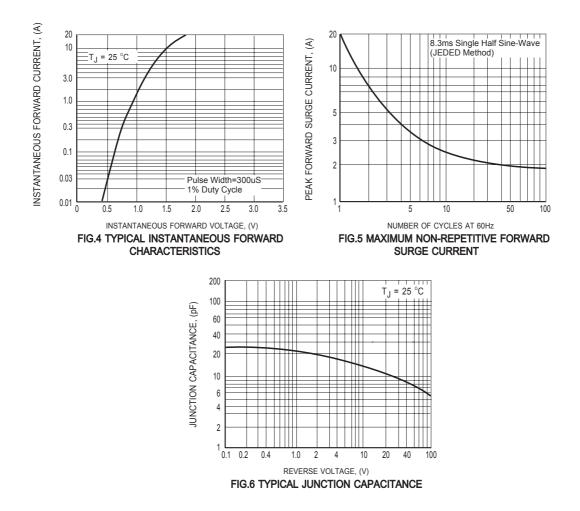
3. "Fully ROHS compliant","100% Sn plating (Pb-free)". 4. Test Conditions: I_F = 0.5A, I_R = -1.0A, I_R R= -0.25A.

RATING AND CHARACTERISTICS CURVES (SU1L THRU SU4L)



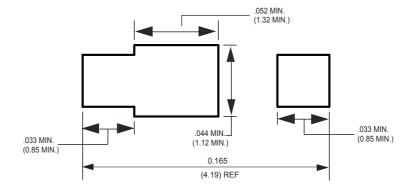


RATING AND CHARACTERISTICS CURVES (SU1L THRU SU4L)



CRECTRON ·

Mounting Pad Layout



Dimensions in inches and (millimeters)



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