

ABSOLUTE MAXIMUM RATINGS (TA= 25°C)

PARAMETER	SYMBOL	LIMITS	UNIT
Maximum Repetitive Peak Reverse Voltage	Vrrm	30	V
Maximum Average Rectified Forward Current	Ιo	3	А
Peak Surge Forward Current	I FSM	75	А
Typical Thermal Resistance (Note 1)	Røja Røjl	100 20	°C/W
Operating Junction Temperature Range	TJ	-55 to +125	°C
Storage Temperature Range	Тѕтс	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (TA= 25°C)

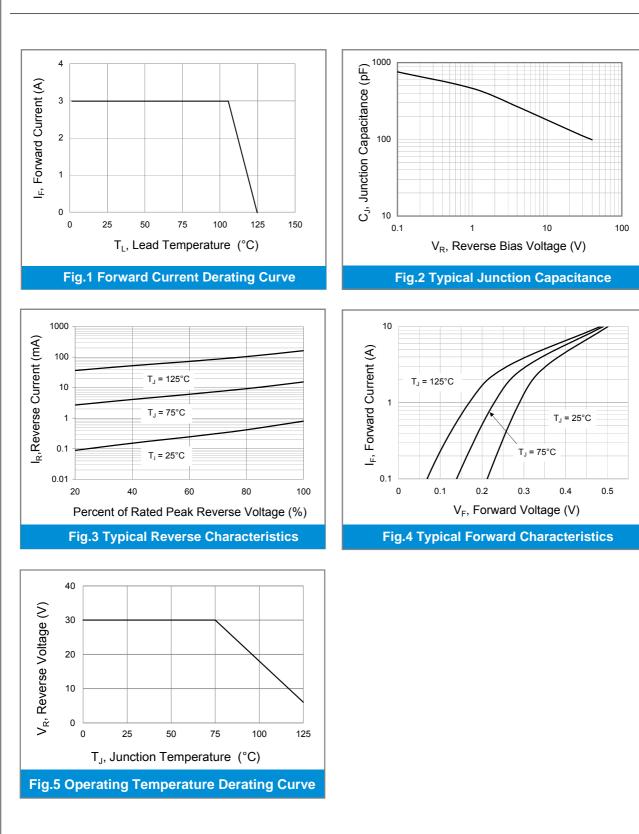
PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Instantaneous forward voltage (Note 2)	VF	F=1A F=2A F=3A	TJ=25⁰C	- -	0.29 0.32 0.35	0.31 0.35 0.37	V
		F=1A F=2A F=3A	TJ=125℃	- -	0.17 0.21 0.26	- - -	V
Reverse current	l r	VR=21V	TJ=25°C TJ=125°C	-	0.3 90	0.5 -	mA
		VR=30V	TJ=25°C TJ=125°C	-	0.8 160	1 -	mA

NOTES:

1. Mounted on P.C. Board with 25mm^2 copper pad areas.

2. Pulse Test with PW =300µsec, 1% Duty Cycle.



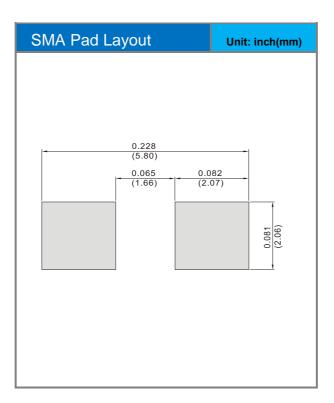




Product and Packing Information

Part No.	Package Type	Packing Type	Marking	
SX33L	SMA	1.8K pcs / 7" reel	SX33L	

Mounting Pad Layout





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