

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=25°C	- -	0.29 0.32 0.35	0.31 0.35 0.37	V
		F=1A F=2A F=3A	TJ=125ºC	- -	0.17 0.21 0.26	- -	V
Reverse current	l r	V _R =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.



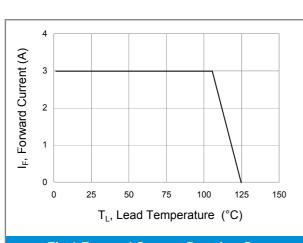


Fig.1 Forward Current Derating Curve

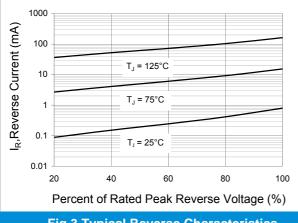
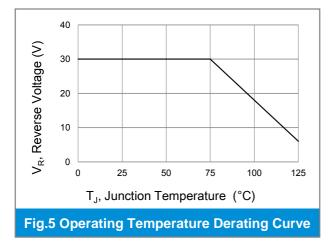


Fig.3 Typical Reverse Characteristics



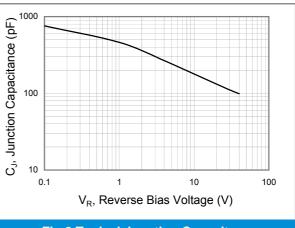
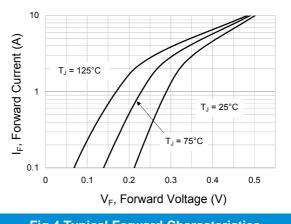


Fig.2 Typical Junction Capacitance



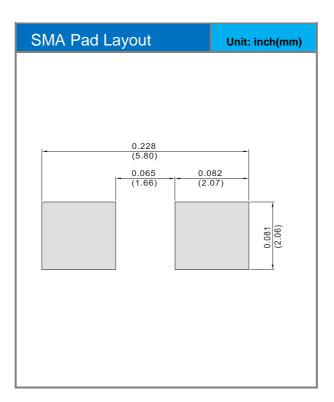




Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
SX33L_R1_00001	SMA	1.8K pcs / 7" reel	SX33L	Halogen free

Mounting Pad Layout





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