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SL32A THRU SLL34A

Surface Mount Schottky Barrier Rectifier

Features

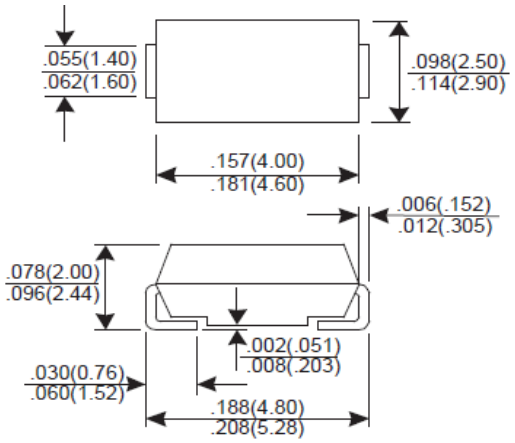
- Low forward voltage drop
- High current capability
- High relibility
- High surge current capability

Mechanical Data

- Case: Molded plastic SMA/DO-214AC
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Solderable per MIL-STD-750 method 2026
- Polarity:Color band denotes cathode end
- Mounting position: Any
- Weight: 0.064 grams

Voltage Range 20V-40V / Current 3.0 Ampere

SMA / DO-214AC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

PARAMTER	SYMBOL	SL32A	SLL32A	SL34A	SLL34A	UNIT
Max. Recurrent Peak Reverse Voltage	VRRM	20		40		V
Max. RMS Voltage	VRMS	14		28		V
Max. DC Blocking Voltage	VDC	20		40		V
Max. Average Forward Rectified Current T_L=105°C	$I_{F(AV)}$	3.0				A
Peak Forward Surge Current, 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I_{FSM}	80				A
Max. Instantaneous Forward Voltage: @3.0A	V_F	0.42	0.38	0.45	0.40	V
Max. DC Reverse Current @TJ=25°C At Rated DC Blocking Voltage @TJ=125°C	I_R	1.5 35				mA
Maximum Reverse Recovery Time (Note 1)	C_J	250				pF
Operating Junction and Storage Temperature Range	T_J,T_{STG}	-55 to +125 / -55 to +150				°C

NOTES : (1) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts DC.

(2) Pulse test : 300us pulse width, 1% duty cycle

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RATINGS AND CHARACTERISTIC CURVES SL32A THRU SLL34A

FIG.1 - FORWARD CURRENT DERATING CURVE

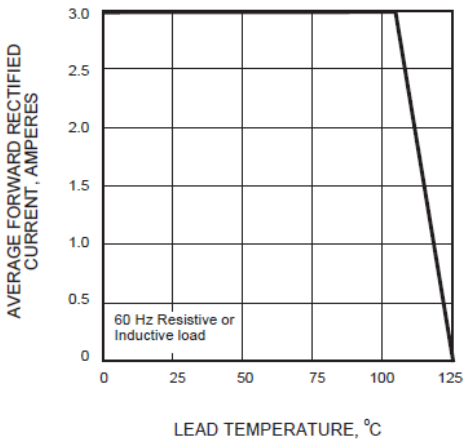

FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

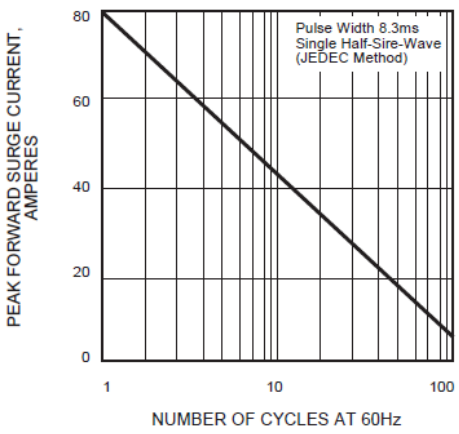

FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

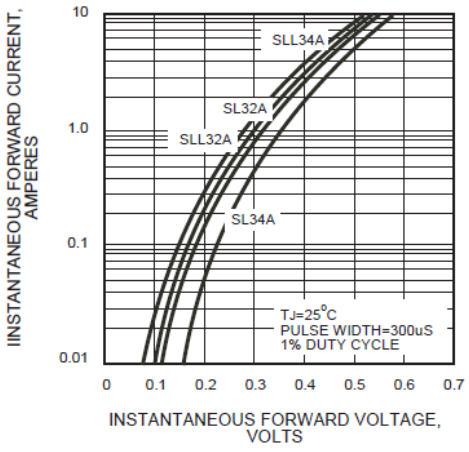

FIG.4 - TYPICAL REVERSE CHARACTERISTICS

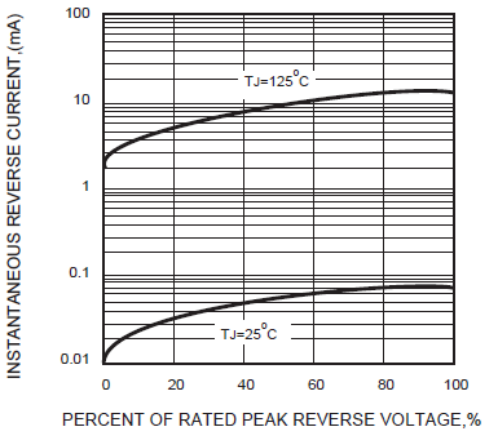

FIG.5 - TYPICAL JUNCTION CAPACITANCE