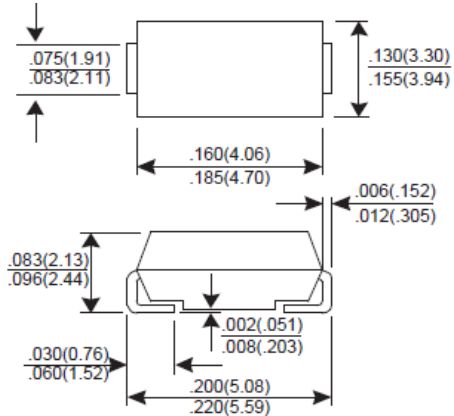


SL22A THRU SLL24A

Surface Mount Schottky Barrier Rectifier

Features • Low forward voltage drop • High current capability • High reliability • High surge current capability Mechanical Data • Case: Molded plastic SMB/DO-214AA • 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: 0.093 grams	Voltage Range 20V~40V / Current 2.0 Ampere SMB / DO-214AA  Dimensions in inches and (millimeters)
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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	SL22A	SLL22A	SL24A	SLL24A	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	IF(AV)	2.0				A
Peak Forward Surge Current, 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	IFSM	50				A
Max. Instantaneous Forward Voltage: @2.0A	V _F	0.38	0.34	0.4	0.36	V
Max. DC Reverse Current @T _J =25°C At Rated DC Blocking Voltage @T _J =100°C	I _R	1 10				mA
Maximum Reverse Recovery Time (Note 1)	C _J	170				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

RATINGS AND CHARACTERISTIC CURVES SL22A THRU SLL24A

FIG.1 - FORWARD CURRENT DERATING CURVE

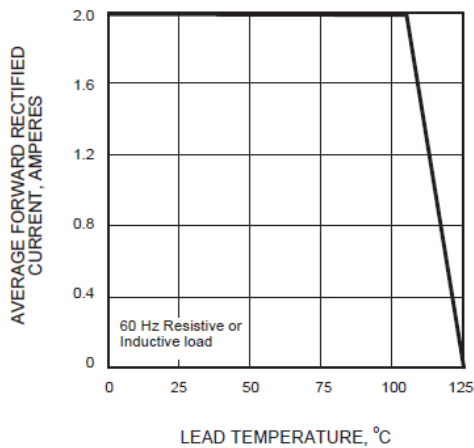


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

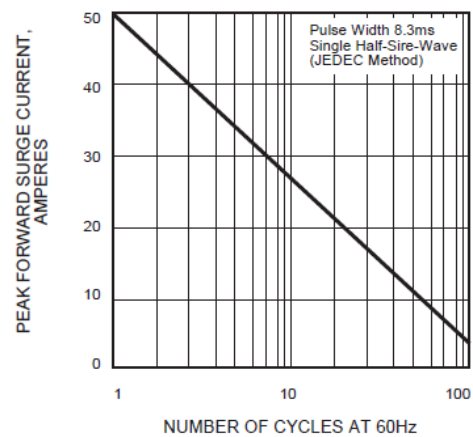


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

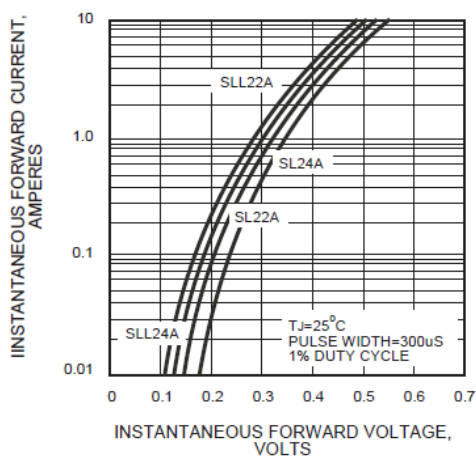


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

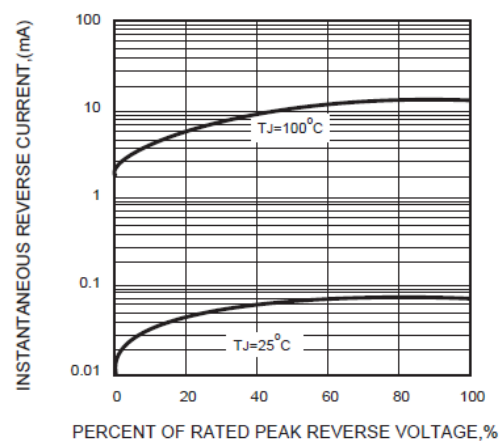


FIG.5 - TYPICAL JUNCTION CAPACITANCE

