SURFACE MOUNT SCHOTTKY
BARRIER RECTIFIERS

SL32A--SL310A

FEATURES

Lead-free



- Low leakage
- Low forward voltage drop
- High current capability
- For surface mounted applications
- Easily cleaned with Alcohol, Isopropnol and similar solvents

MECHANICAL DATA

- Case: SMA molded plastic body
- Terminals: Solder plated, solderable per MIL- STD-202,Method 208
- Polarity: Color band denotes cathode end

Maximum Ratings (@TA = 25°C unless otherwise specified)

Characteristic	Symbol	SL32A	SL33A	SL34A	SL345A	SL35A	SL36A	SL38A	SL39A	SL310A	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	45	50	60	80	90	100	V
Maximum RMS voltage	V_{RWS}	14	21	28	31.5	35	42	56	63	70	V
Maximum DC blocking voltage	V_{DC}	20	30	40	45	50	60	80	90	100	V
Maximum average forward rectified current at T_L=90℃	$I_{F(AV)}$	3.0									A
Peak forward surge current 8.3ms single half-sine-wave	I_{FSM}	100									A

Thermal Characteristics

Characteristic	Symbol	SL32A	SL33A	SL34A	SL345A	SL35A	SL36A	SL38A	SL39A	SL310A	UNITS
Operating temperature range	T_J	-55 ---- +125						-55 ---- +150			℃
Storage temperature range	T_{STG}	-55 ---- +150									℃

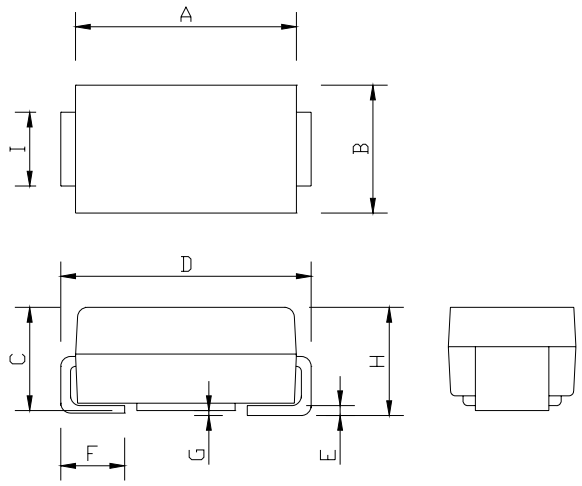
Electrical Characteristics (@TA = 25°C unless otherwise specified)

Characteristic	Symbol	SL32A	SL33A	SL34A	SL345A	SL35A	SL36A	SL38A	SL39A	SL310A	UNITS
Maximum instantaneous forward voltage at I_{FM}=3.0A	V_F	0.45				0.58		0.63			V
Maximum DC reverse current T_J=25 ℃ at rated DC blocking voltage T_J=125℃	I_R	0.5 20									m A

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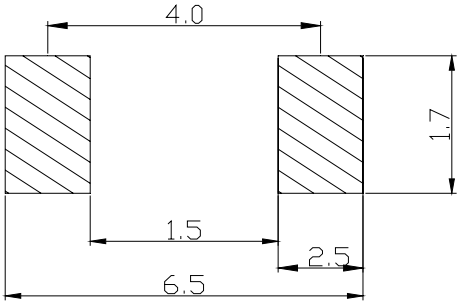
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PACKAGE OUTLINE DIMENSIONS



DO-214AC(SMA)		
Dim	Min	Max
A	4.25	4.65
B	2.40	2.80
C	1.85	2.15
D	4.85	5.35
E	0.10	0.30
F	0.90	1.50
G	0.20MAX	
H	1.90	2.30
I	1.35	1.65
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit ： mm

PACKAGE INFORMATION

Device	Package	Shipping
SL32A--SL310A	DO-214AC(SMA)	5000/Tape&Reel