

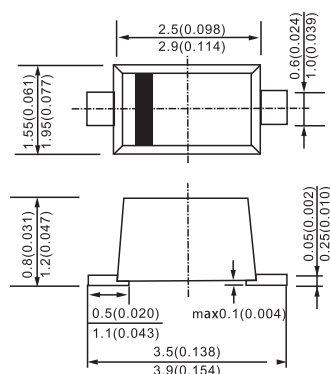
FEATURES

- Schottky Barrier Rectifier
- High Current Capability
- Low Forward Voltage
- Lead Free Finish/RoHS Compliant(Note 1)
("P" Suffix designates
RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Packaging: SOD-123FL
- Marking Code: SMD22PL---M2; SMD24PL---M4; SMD26PL---M6
SMD28PL---M8; SMD210PL---M10;

SOD-123FL



Dimensions in millimeters

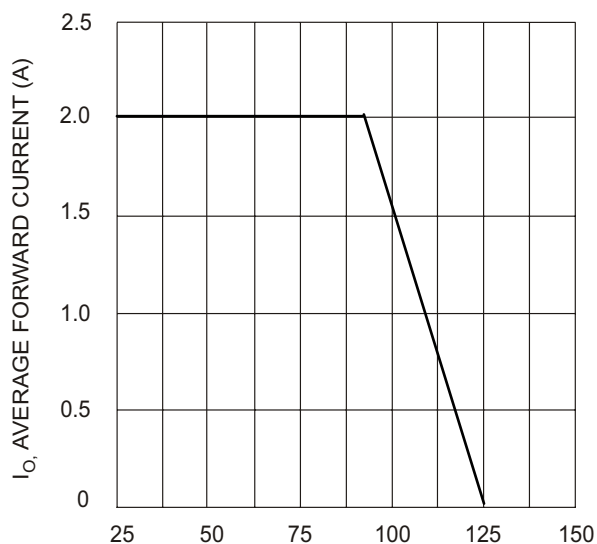
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Symbol	Parameter	Rating	Unit
V_{RMS}	Maximum RMS Voltage SMD22PL SMD24PL SMD26PL SMD28PL SMD210PL	14 28 42 56 70	V
V_{RRM}	Repetitive Peak Reverse Voltage SMD22PL SMD24PL SMD26PL SMD28PL SMD210PL	20 40 60 80 100	V
$I_{F(AV)}$	Rectified Current (Average) Half Wave Rectification with Resist. Load at $T_L=90^{\circ}C$	2.0	A
I_{FSM}	Surge Forward Current, halfsine wave 8.3ms	50	A
R_{thJA}		60	$^{\circ}C/W$
R_{thJC}	Typical Thermal Resistance(Note2)	30	$^{\circ}C/W$
R_{thJL}		21	$^{\circ}C/W$
P_D	Power Dissipation	1.68	W
T_J	Junction Temperature	-65 to +125	$^{\circ}C$
T_{STG}	Storage Temperature	-65 to +125	$^{\circ}C$

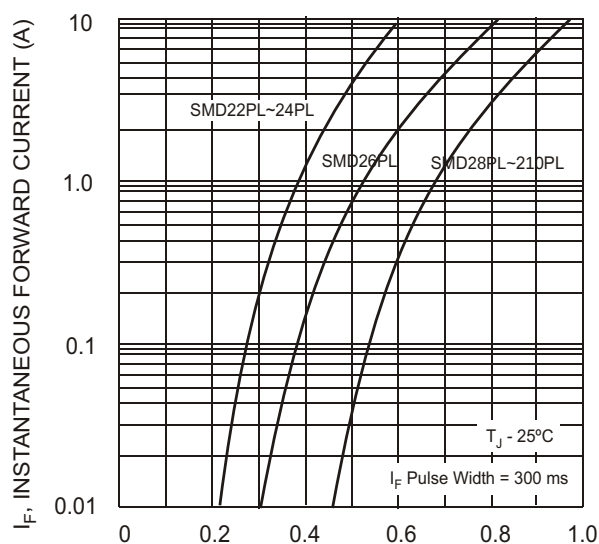
Symbol	Parameter	Min	Typ	Max	Units
V_F	Forward Voltage SMD22PL~24PL SMD26PL SMD28PL~210PL	---	---	0.50 0.70 0.85	V
I_R	Maximum DC Reverse Current	---	---	0.5	mA
C_j	Typical Junction Capacitance @f=1.0MHz, Vr=4V	---	210	---	pF

RATINGS AND CHARACTERISTIC CURVES

SMD22PL THRU SMD210PL



T_L , LEAD TEMPERATURE (°C)
Fig. 1 Forward Current Derating Curve



V_F , INSTANTANEOUS FORWARD VOLTAGE (V)
Fig. 2 Typical Forward Characteristics

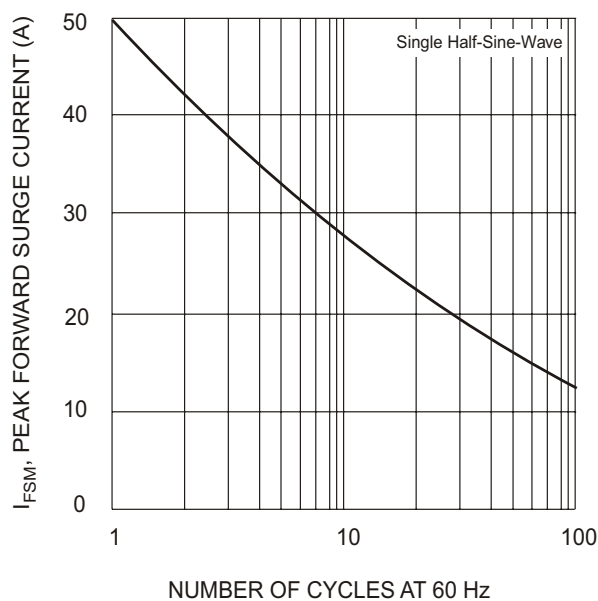


Fig. 3 Max Non-Repetitive Peak Forward Surge Current