

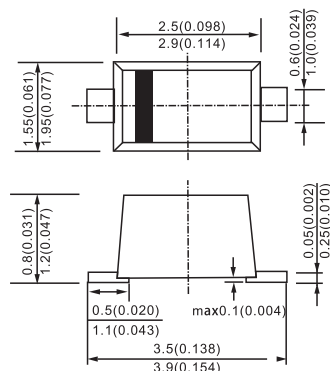
FEATURES

- 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

Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
UFM11PL	U1	50V	35V	50V
UFM12PL	U2	100V	70V	100V
UFM13PL	U3	200V	140V	200V
UFM14PL	U4	400V	280V	400V
UFM15PL	U5	600V	420V	600V
UFM16PL	U6	800V	560V	800V
UFM17PL	U7	1000V	700V	1000V

Average Forward Current	$I_{F(AV)}$	1.0A	$T_L = 90^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage UFM11PL-13PL UFM14PL UFM15PL-17PL	V_F	1.0V 1.40V 1.70V	$I_{FM} = 1.0A$; $T_a = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μ A 50 μ A	$T_a = 25^\circ\text{C}$ $T_a = 125^\circ\text{C}$
Maximum Reverse Recovery Time UFM11PL-13PL UFM14PL UFM15PL-16PL UFM17PL	T_{rr}	35ns 50ns 75ns 100ns	$I_F = 0.5A, I_R = 1.0A$, $T_{rr} = 0.25A$
Typical Junction Capacitance	C_J	20pF	Measured at 1.0MHz, $V_R = 4.0V$

RATINGS AND CHARACTERISTIC CURVES

UFM11PL THRU UFM17PL

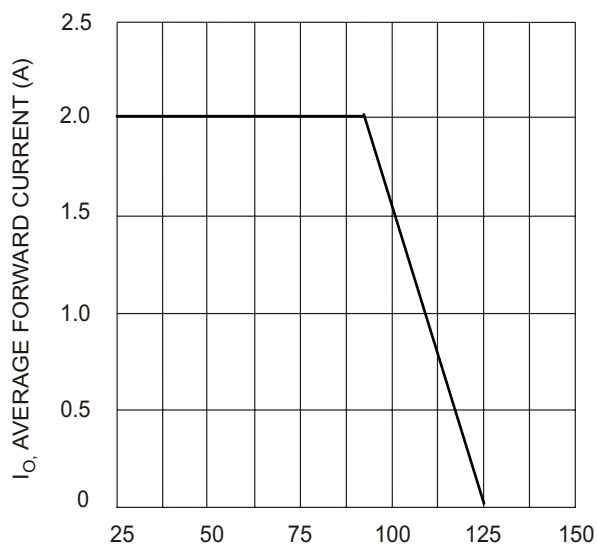


Fig. 1 Forward Current Derating Curve

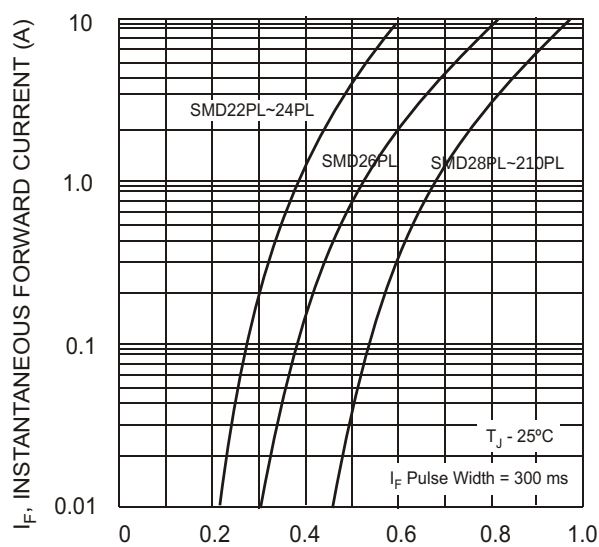


Fig. 2 Typical Forward Characteristics

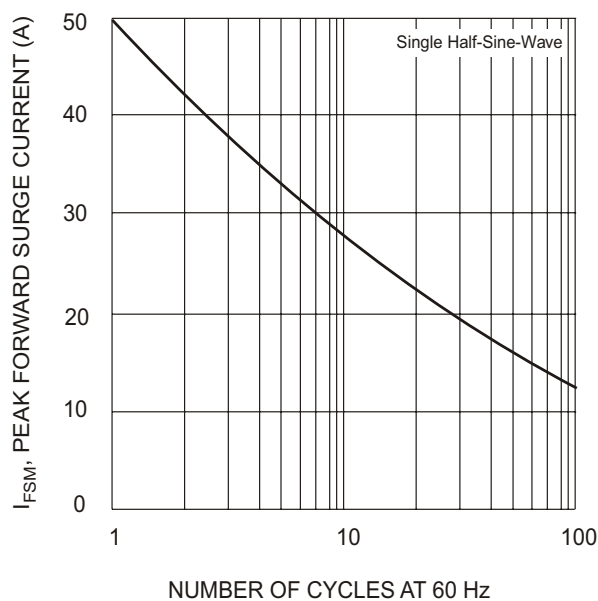


Fig. 3 Max Non-Repetitive Peak Forward Surge Current