

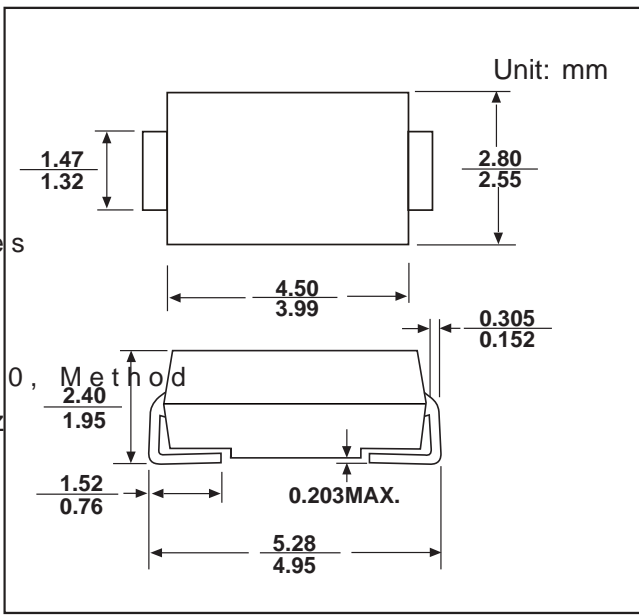
60\$ PLASTIC SILICON RECTIFIERS

FEATURES

- "For surface mounted applications
- "Low profile package
- "Glass Passivated Chip Junction
- "Easy to pick and place
- "High efficiency
- "Lead free in comply with EU Directive

MECHANICAL DATA

- "Case: SMA
- "Terminals: Solderable per MIL-STD-750, Method 200
- "Approx. Weight: 0.055g / 0.002oz



MAXIMUM RATINGS AND CHARACTERISTICS

f \$ PELHGW SHUDXVXORHWKHUZRWHG

Parameter	Symbol	US1A	US1B	US1D	US1G	US1J	US1K	US1M	Units
Maximum Repetitive Peak Reverse Voltage	V_{RM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at $T_c = 125^\circ C$	$I_{F(AV)}$	1							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	30							A
Maximum Instantaneous Forward Voltage at 1 A	V_{Fmax}	1.0			1.3	1.65		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	5 100							μA
Maximum Reverse Recovery Time	t_{rr}	50				75			ns
Typical Thermal Resistance	R_{JA}	75							$^\circ C/W$
Typical Junction Capacitance	C_j	15							pF
Operating and Storage Temperature Range	T_p Range	-55 ~ +150							$^\circ C$

1 Measured with $I_F = 10.25 A$, $I_R = 10.25 A$

2 P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

3 Measured at 1 MHz and applied reverse voltage of 4 V D.C

RATINGS AND CHARACTERISTIC CURVES