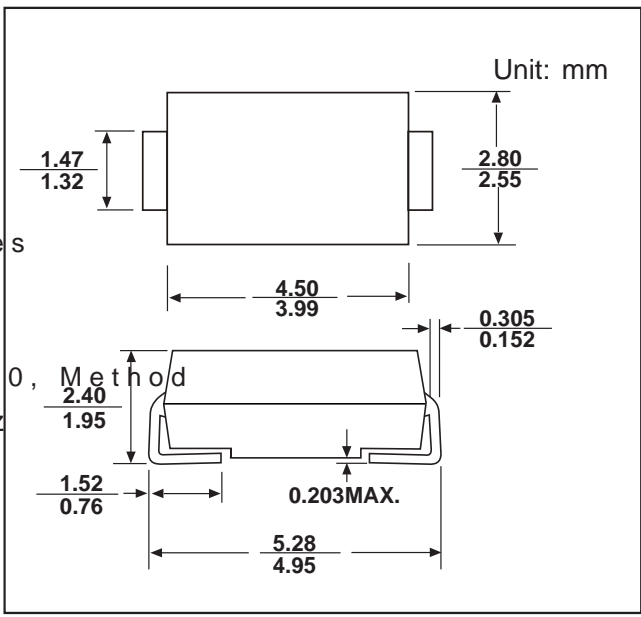


60\$ PLASTIC SILICON RECTIFIERS

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 Directives

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	$V_{F(1A)}$	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