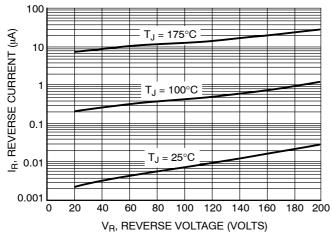
MURA115T3, MURA120T3

ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Maximum Instantaneous Forward Voltage (Note 3) ($i_F = 1.0 \text{ A}, T_J = 25^{\circ}\text{C}$) ($i_F = 1.0 \text{ A}, T_J = 150^{\circ}\text{C}$)	V _F	0.875 0.71	V
Maximum Instantaneous Reverse Current (Note 3) (Rated DC Voltage, $T_J = 25^{\circ}\text{C}$) (Rated DC Voltage, $T_J = 150^{\circ}\text{C}$)	İR	2.0 50	μΑ
Maximum Reverse Recovery Time (i _F = 1.0 A, di/dt = 50 A/μs)	t _{rr}	35	ns

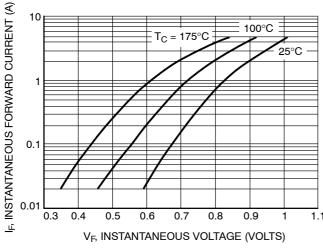
100

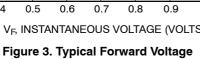


 $T_J=175^{\circ}C$ IR, REVERSE CURRENT (µA) 10 $T_J=100^{\circ}C$ $T_J = 25^{\circ}C$ 0.1 0 20 100 120 140 160 180 200 V_R, REVERSE VOLTAGE (VOLTS)

Figure 1. Typical Reverse Current

Figure 2. Maximum Reverse Current





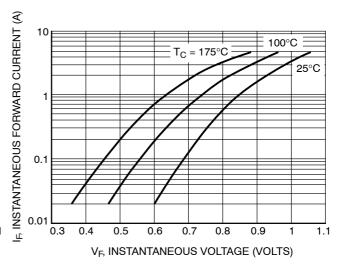


Figure 4. Maximum Forward Voltage

^{3.} Pulse Test: Pulse Width = 300 μ s, Duty Cycle \leq 2.0%.

MURA115T3, MURA120T3

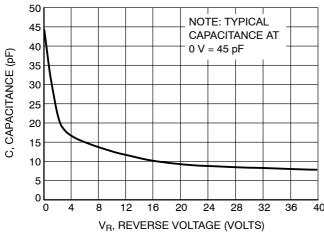


Figure 5. Typical Capacitance

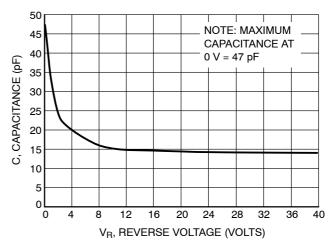


Figure 6. Maximum Capacitance

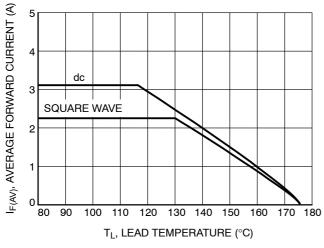


Figure 7. Current Derating, Lead

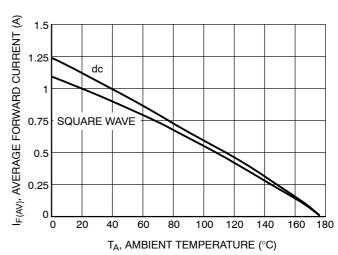


Figure 8. Current Derating, Ambient (FR-4 Board with Minimum Pad)

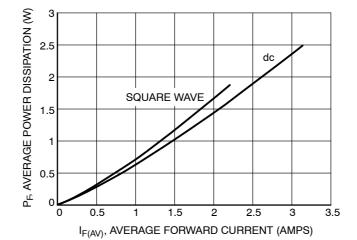


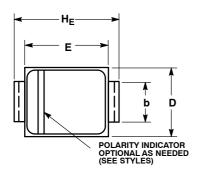
Figure 9. Power Dissipation

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PACKAGE DIMENSIONS

SMA

CASE 403D-02 **ISSUE F**



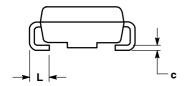
NOTES:

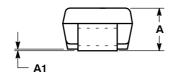
- DIMENSIONING AND TOLERANCING PER ANSI
- Y14.5M, 1982.
 2. CONTROLLING DIMENSION: INCH.
- 403D-01 OBSOLETE, NEW STANDARD IS 403D-02.

	MILLIMETERS			INCHES		
DIM	MIN	NOM	MAX	MIN	NOM	MAX
Α	1.97	2.10	2.20	0.078	0.083	0.087
A1	0.05	0.10	0.15	0.002	0.004	0.006
b	1.27	1.45	1.63	0.050	0.057	0.064
С	0.15	0.28	0.41	0.006	0.011	0.016
D	2.29	2.60	2.92	0.090	0.103	0.115
E	4.06	4.32	4.57	0.160	0.170	0.180
HE	4.83	5.21	5.59	0.190	0.205	0.220
L	0.76	1.14	1.52	0.030	0.045	0.060

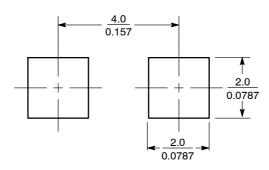


PIN 1. CATHODE (POLARITY BAND) 2. ANODE





SOI DERING FOOTPRINT*



(mm inches SCALE 8:1

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