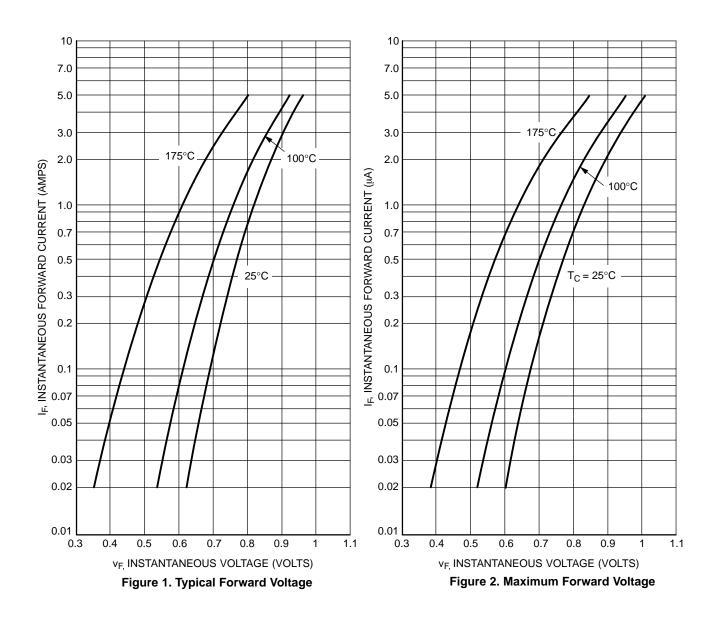
MURS205T3, MURS210T3

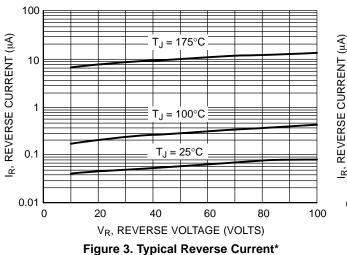
ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Value	Unit	
Maximum Instantaneous Forward Voltage (Note 1) ($i_F = 2.0 \text{ A}, T_J = 25^{\circ}\text{C}$) ($i_F = 2.0 \text{ A}, T_J = 150^{\circ}\text{C}$)	VF	0.94 0.74	V	
Maximum Instantaneous Reverse Current (Note 1) (Rated dc Voltage, $T_J = 25^{\circ}C$) (Rated dc Voltage, $T_J = 150^{\circ}C$)	i _R	2.0 50	μΑ	
$\begin{array}{l} \text{Maximum Reverse Recovery Time} \\ (i_F = 1.0 \text{ A, } di/dt = 50 \text{ A}/\mu\text{s}) \\ (i_F = 0.5 \text{ A, } i_R = 1.0 \text{ A, } I_R \text{ to } 0.25 \text{ A}) \end{array}$	t _{rr}	30 20	ns	
Maximum Forward Recovery Time (i _F = 1.0 A, di/dt = 100 A/µs, Rec. to 1.0 V)	t _{fr}	20	ns	

1. Pulse Test: Pulse Width = 300 μ s, Duty Cycle \leq 2.0%.



MURS205T3, MURS210T3



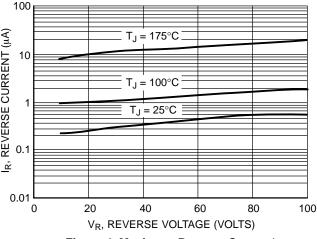
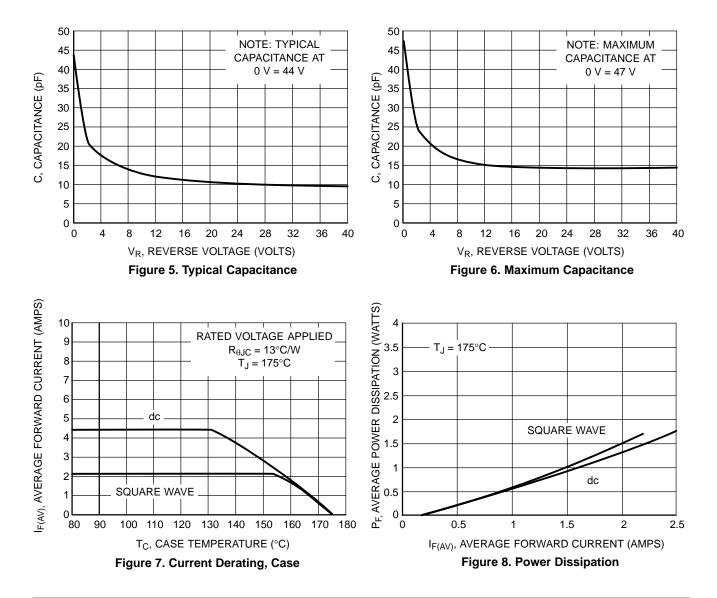


Figure 4. Maximum Reverse Current*

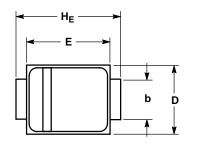
 * The curves shown are typical for the highest voltage device in the voltage grouping. Typical reverse current for lower voltage selections can be estimated from these same curves if applied V_R is sufficiently below rated V_R.

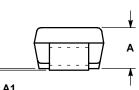


MURS205T3, MURS210T3

PACKAGE DIMENSIONS

SMB CASE 403A-03 **ISSUE F**

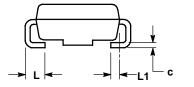


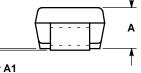


NOTES 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982. 2 CONTROLLING DIMENSION: INCH.

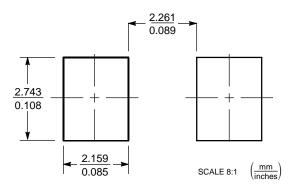
3 D DIMENSION SHALL BE MEASURED WITHIN DIMENSION P.

				I			
	MILLIMETERS			INCHES			
DIM	MIN	NOM	MAX	MIN	NOM	MAX	
Α	1.90	2.13	2.45	0.075	0.084	0.096	
A1	0.05	0.10	0.20	0.002	0.004	0.008	
b	1.96	2.03	2.20	0.077	0.080	0.087	
c	0.15	0.23	0.31	0.006	0.009	0.012	
D	3.30	3.56	3.95	0.130	0.140	0.156	
Е	4.06	4.32	4.60	0.160	0.170	0.181	
HE	5.21	5.44	5.60	0.205	0.214	0.220	
L	0.76	1.02	1.60	0.030	0.040	0.063	
L1	0.51 REF			0.020 REF			





SOLDERING FOOTPRINT*



*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

ON Semiconductor and 💷 are registered trademarks of Semiconductor Components Industries, LLC (SCILLC). SCILLC reserves the right to make changes without further notice to any products herein. SCILLC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does SCILLC assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. "Typical" parameters which may be provided in SCILLC data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. SCILLC does not convey any license under its patent rights nor the rights of others. SCILLC products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the SCILLC product could create a situation where personal injury or death may occur. Should Buyer purchase or use SCILLC products for any such unintended or unauthorized application, Buyer shall indemnify and hold SCILLC and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that SCILLC was negligent regarding the design or manufacture of the part. SCILLC is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

PUBLICATION ORDERING INFORMATION

LITERATURE FULFILLMENT

Literature Distribution Center for ON Semiconductor P.O. Box 61312, Phoenix, Arizona 85082-1312 USA Phone: 480-829-7710 or 800-344-3860 Toll Free USA/Canada Fax: 480-829-7709 or 800-344-3867 Toll Free USA/Canada Email: orderlit@onsemi.com

N. American Technical Support: 800-282-9855 Toll Free USA/Canada

Japan: ON Semiconductor, Japan Customer Focus Center 2-9-1 Kamimeguro, Meguro-ku, Tokyo, Japan 153-0051 Phone: 81-3-5773-3850

ON Semiconductor Website: http://onsemi.com

Order Literature: http://www.onsemi.com/litorder

For additional information, please contact your local Sales Representative.