查询MURS205T3供应商

专业PCB打样工厂 ,24小时加急出货

MURS205T3, MURS210T3

Preferred Device

Surface Mount Ultrafast Power Rectifiers

Ideally suited for high voltage, high frequency rectification, or as free wheeling and protection diodes in surface mount applications where compact size and weight are critical to the system.

- Small Compact Surface Mountable Package with J-Bend Leads
- Rectangular Package for Automated Handling
- High Temperature Glass Passivated Junction
- Low Forward Voltage Drop (0.74 Volts Max @ 2.0 A, $T_I = 150^{\circ}C$)
- **Mechanical Characteristics:**
- Case: Epoxy, Molded
- Weight: 95 mg (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- Lead and Mounting Surface Temperature for Soldering Purposes: 260°C Max. for 10 Seconds
- Shipped in 12 mm Tape and Reel, 2500 units per reel
- Polarity: Polarity Band Indicates Cathode Lead
- Marking: U2A, U2B



ON Semiconductor

http://onsemi.com

ULTRAFAST RECTIFIERS 2 AMPERES 50-100 VOLTS



DIAGRAM

x = A (205T3) B (210T3)

ORDERING INFORMATION

Device	Package	Shipping	
MURS205T3	SMB	2500 Tape & Reel	
MURS210T3	SMB	2500 Tape & Reel	

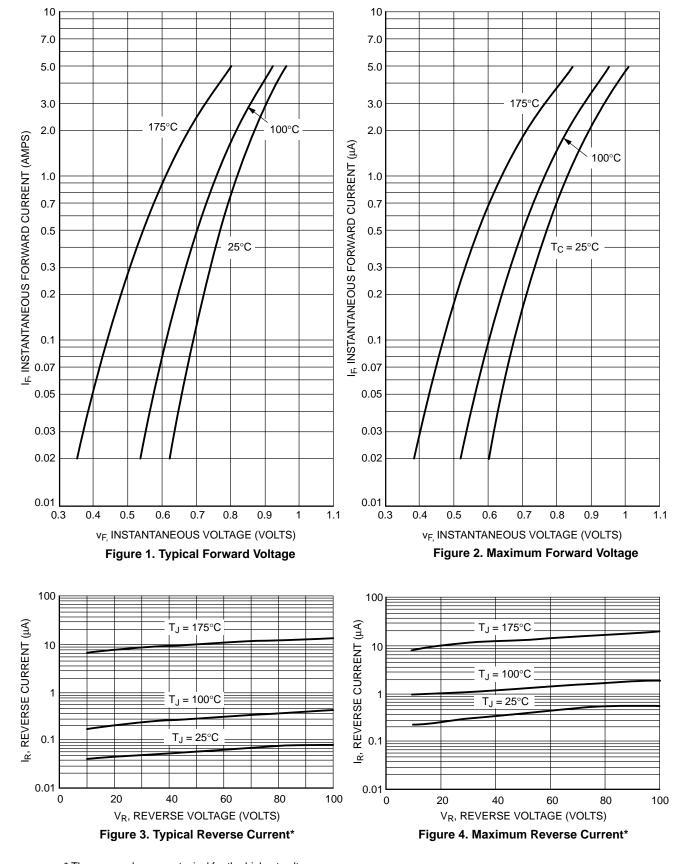
Preferred devices are recommended choices for future use and best overall value. WWW.DZSC.COM



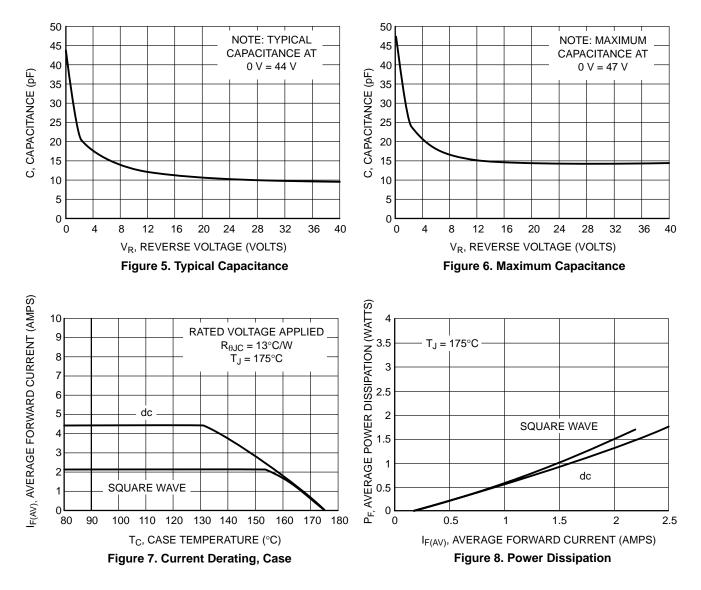
MAXIMUM RATINGS

Rating	Symbol	MURS		
		205T3	210T3	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	50	100	Volts
Average Rectified Forward Current	I _{F(AV)}	1.0 @ $T_L = 150^{\circ}C$ 2.0 @ $T_L = 125^{\circ}C$		Amps
Non–Repetitive Peak Surge Current (Surge applied at rated load conditions halfwave, single phase, 60 Hz)	IFSM	50		Amps
Operating Junction Temperature	TJ	-65 to +175		°C
THERMAL CHARACTERISTICS				
Thermal Resistance, Junction to Lead $(T_L = 25^{\circ}C)$	R _{θJL}	13		°C/W
ELECTRICAL CHARACTERISTICS	· · · · ·			
Maximum Instantaneous Forward Voltage (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		Volts
Maximum Instantaneous Reverse Current (1) (Rated dc Voltage, $T_J = 25^{\circ}C$) (Rated dc Voltage, $T_J = 150^{\circ}C$)	i _R	2.0 50		μA
Maximum Reverse Recovery Time ($i_F = 1.0 \text{ A}$, di/dt = 50 A/ μ s) ($i_F = 0.5 \text{ A}$, $i_R = 1.0 \text{ A}$, I_R to 0.25 A)	t _{rr}	30 20		ns
Maximum Forward Recovery Time $(i_F = 1.0 \text{ A}, \text{ di/dt} = 100 \text{ A/}\mu\text{s}, \text{ Rec. to } 1.0 \text{ V})$	t _{fr}	20		ns

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



* 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 .



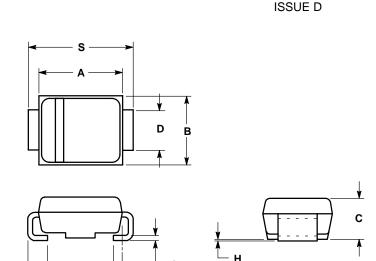
<u>Notes</u>

<u>Notes</u>

<u>Notes</u>

PACKAGE DIMENSIONS

SMB CASE 403A-03



NOTES:

- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
 CONTROLLING DIMENSION: INCH.
- D DIMENSION SHALL BE MEASURED WITHIN DIMENSION P.

	INC	HES	MILLIMETERS		
DIM	MIN	MAX	MIN	MAX	
Α	0.160	0.180	4.06	4.57	
В	0.130	0.150	3.30	3.81	
С	0.075	0.095	1.90	2.41	
D	0.077	0.083	1.96	2.11	
н	0.0020	0.0060	0.051	0.152	
J	0.006	0.012	0.15	0.30	
Κ	0.030	0.050	0.76	1.27	
Р	0.020 REF		0.51 REF		
S	0.205	0.220	5.21	5.59	

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