# **MURS205 THRU MURS260**

# SURFACE MOUNT ULTRAFAST GLASS PASSIVATED RECTIFIER

VOLTAGE: 50 to 600V CURRENT: 2.0A



#### **FEATURE**

Ideal for surface mount pick and place application Low profile package Built-in strain relief High surge capability High temperature soldering guaranteed 260°C/10sec/at terminals

260°C/10sec/at terminals Glass passivated chip

Ultrafast recovery time for high efficiency

### **MECHANICAL DATA**

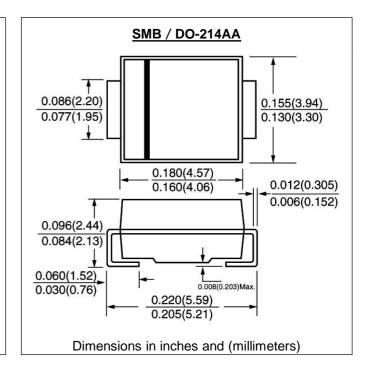
Terminal: Plated axial leads solderable per MIL-STD 202E,

method 208C

Case: Molded with UL-94 class V-0 recognized Flame

Retardant Epoxy

Polarity: color band denotes cathode



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25℃, unless otherwise stated, for capacitive load, derate current by 20%)

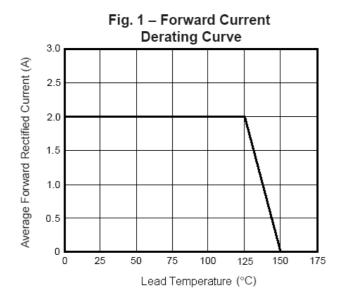
SYMBOL	MURS	MURS	MILIDO	141100			
	205	210	MURS 220	MURS 230	MURS 240	MURS 260	units
Vrrm	50	100	200	300	400	600	V
Vrms	35	70	140	210	280	420	V
Vdc	50	100	200	300	400	600	V
If(av)	2.0					Α	
Ifsm	5	0	40	35.0			А
Vf	0.9	94	0.95	1.30		1.45	V
Trr	2	0	25 50			nS	
Ir	5.0 150.0					μA	
Cj	30.0					pF	
Rth(jl)	13.0					°C/W	
Tj, Tstg	-55 to +150					°C	
	Vrms Vdc If(av) Ifsm Vf Trr Ir Cj Rth(jl)	Vrms 35  Vdc 50  If(av)  Ifsm 5  Vf 0.9  Trr 2  Ir  Cj  Rth(jl)	Vrms 35 70  Vdc 50 100  If(av)  Ifsm 50  Vf 0.94  Trr 20  Ir  Cj  Rth(jl)	Vrms         35         70         140           Vdc         50         100         200           If(av)         2.           Ifsm         50         40           Vf         0.94         0.95           Trr         20         25           Ir         150           Cj         30           Rth(jl)         13	Vrms         35         70         140         210           Vdc         50         100         200         300           If(av)         2.0           Ifsm         50         40           Vf         0.94         0.95         1.3           Trr         20         25           Ir         150.0           Cj         30.0           Rth(jl)         13.0	Vrms         35         70         140         210         280           Vdc         50         100         200         300         400           If(av)         2.0           Ifsm         50         40         35.0           Vf         0.94         0.95         1.30           Trr         20         25         50           Ir         150.0           Cj         30.0           Rth(jl)         13.0	Vrms         35         70         140         210         280         420           Vdc         50         100         200         300         400         600           If(av)         2.0           Ifsm         50         40         35.0           Vf         0.94         0.95         1.30         1.45           Trr         20         25         50           Ir         150.0         150.0           Cj         30.0         13.0

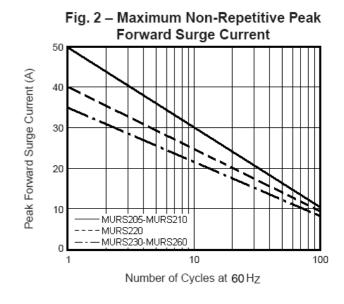
#### Note:

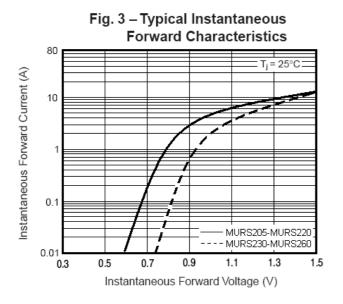
- 1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- 2. Measured at 1.0 MHZ and applied voltage of 4.0Vdc
- 3. Thermal Resistance from Junction to terminal mounted on 5×5mm copper pad area

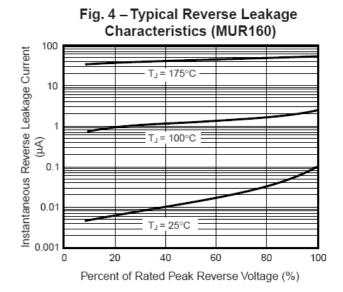
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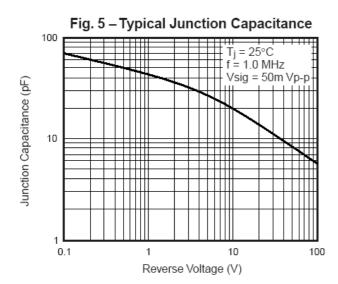
#### **RATINGS AND CHARACTERISTIC CURVES MURS205 THRU MURS260**











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