



Ultra-Fast Recovery Rectifier Diodes

Features

- High frequency operation
- High surge forward current capability
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Mechanical Data

- **Package:** ITO-220AC
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked

■Maximum Ratings (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MUR810F	MUR815F	MUR820F	MUR840F	MUR860F
Device marking code			MUR810F	MUR815F	MUR820F	MUR840F	MUR860F
Repetitive Peak Reverse Voltage	VRRM	V	100	150	200	400	600
Average Rectified Output Current @60Hz half sine-wave, R-load, Tc(FIG.1)	Io	A	8				
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, Ta=25	IFSM	A	100				
	I ² t	A ² s.	41				
Tstg			-55 ~ +150				
			MUR810F	MUR815F	MUR820F	MUR840F	MUR860F
V	IFM=8.0A		0.975			1.3	1.5
uA	VRM=VRRM Ta=25		10				
	VRM=VRRM Ta=125		500				
ns	IF=0.5A IRRM=0.25A	IRM=1A	50				
	SYMBOL	UNIT	MUR810F	MUR815F	MUR820F	MUR840F	MUR860F
	RθJ-C	W	2.5				

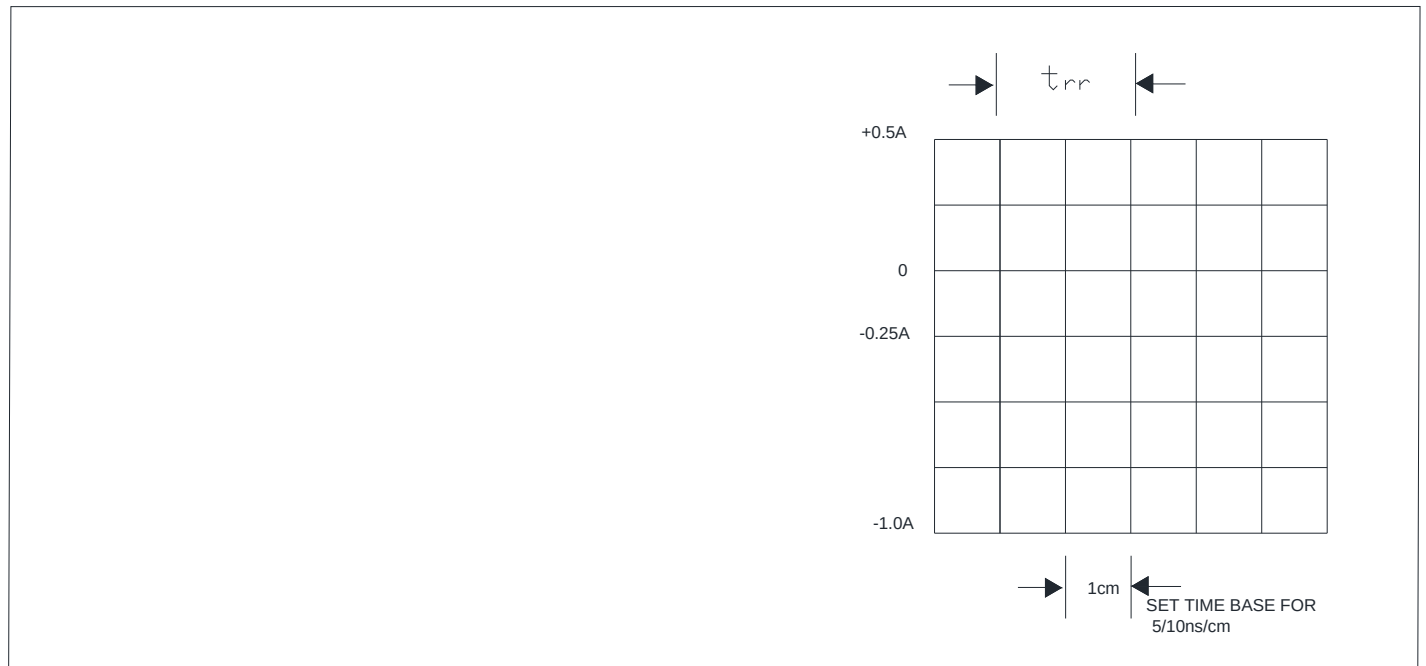


■Ordering Information



MUR810F THRU MUR860F-B1-0000S

FIG.5 Diagram of circuit and Testing wave form of reverse recovery time





MUR810F THRU MUR860F-B1-0000S

Disclaimer

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