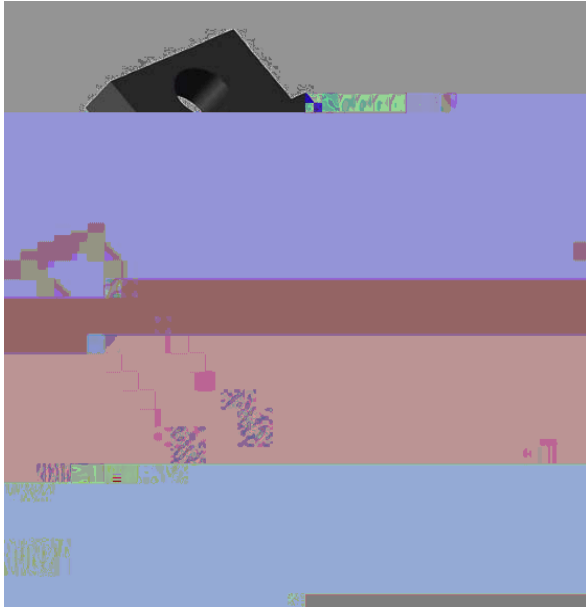


## Ultra-Fast Recovery Diodes 8A FRED



### Features

- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

### 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** 5 T

MUR860FL

c(FIG.1)

Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T <sub>j</sub> =25	I <sub>FSM</sub>	A	50
Current Squared Time @1ms t 8.3ms T <sub>j</sub> =25	I <sup>2</sup> t	A <sup>2</sup> s	12.5
Storage Temperature	T <sub>stg</sub>		-55 ~ +175
Junction Temperature	T <sub>j</sub>		-55 ~ +175
Typical Junction capacitance @4V,1MHz	C <sub>j</sub>	pF	42
Mounting torque @recommend torque 5kg cm	Tor	kg cm	8



## Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	
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# MUR860FL

FIG3: Forward Voltage

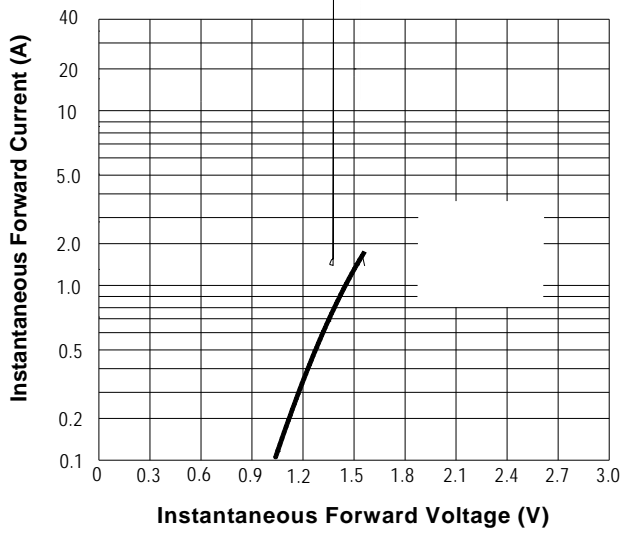
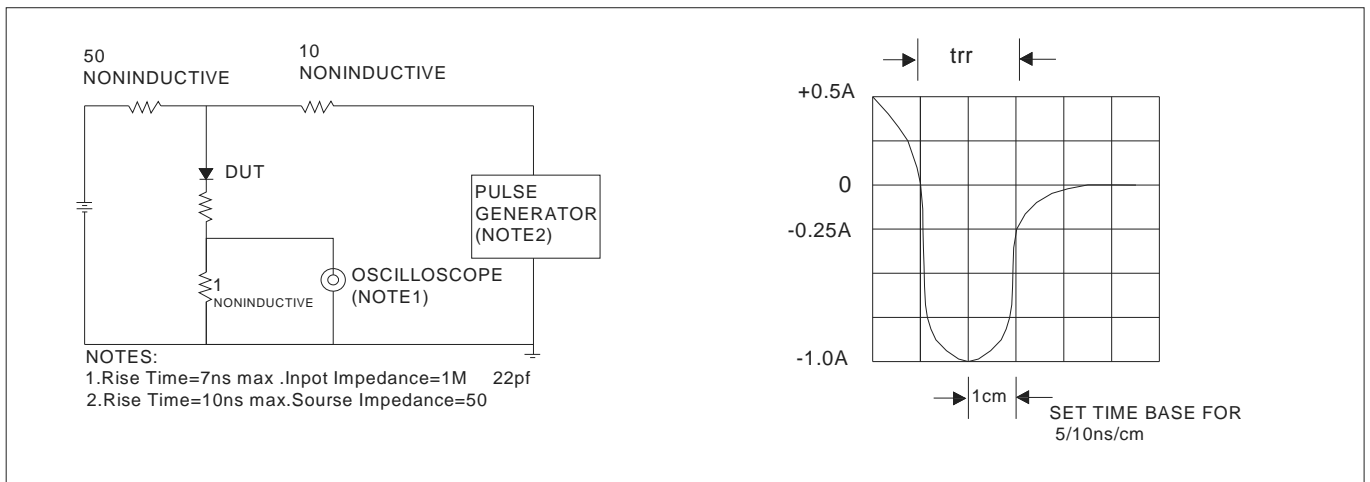


FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





## Outline Dimensions

ITO-220AC		
Dim	Min	Max
A	9.8	10.2
B	2.25	2.75
C	2.95	3.45
D	14.75	15.25
E	3.5	4.1
F	0.45	0.75
G	0.45	0.75
H	13.35	14.15
I	4.97	5.23
J	4.3	4.8
K	2.5	2.74
L	2.58	2.82
M	1.03	1.43



## Disclaimer

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