



# MUR1060

## Ultra-Fast Recovery Diodes 10A 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 rugged

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

### Mechanical Data

Package: ROHS compliant

002 and JESD22-B102

Polarity: As marked

### Maximum Ratings (T<sub>j</sub>=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MUR1060
Device marking code			MUR1060
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	V	600
Average Forward Current @60Hz half sine-wave, 1 cycle, T <sub>j</sub> =25°C	I <sub>FM</sub>	A	120
Current Squared Time @1ms to 8.3ms T <sub>j</sub> =25°C	I <sup>2</sup> t	A <sup>2</sup> s	60
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	40



# MUR1060

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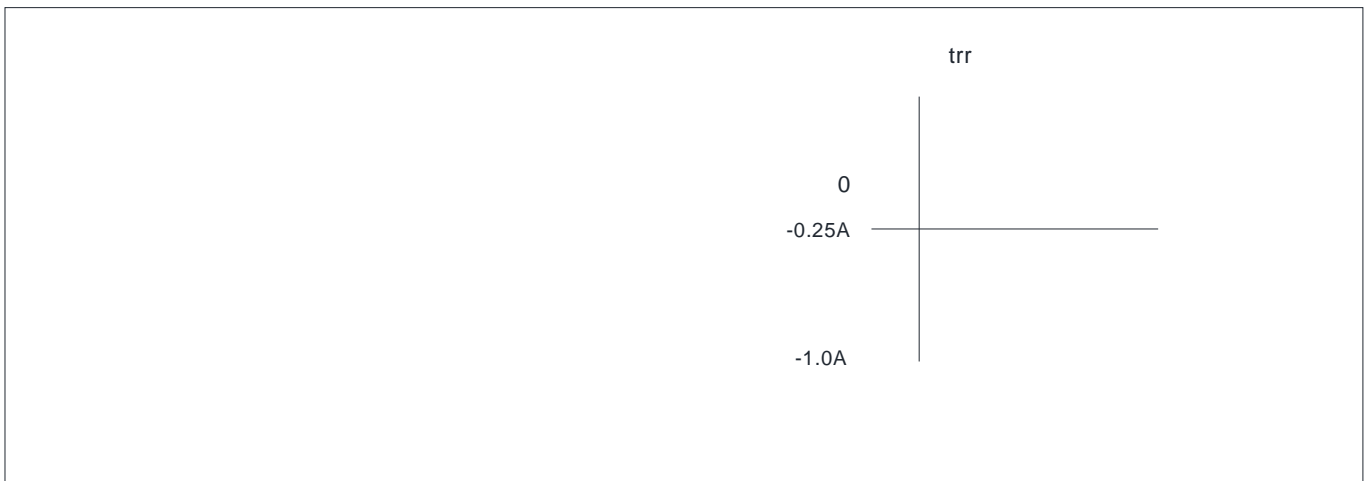
## Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
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Characteristics (Typical)

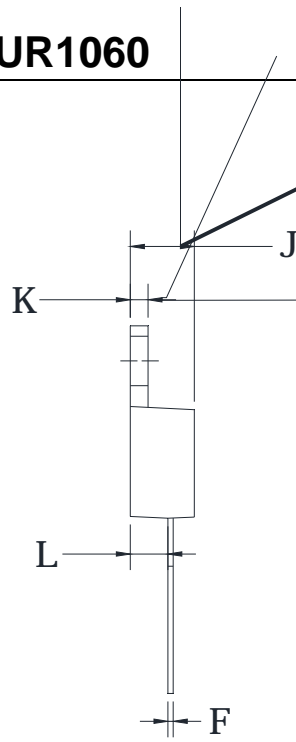
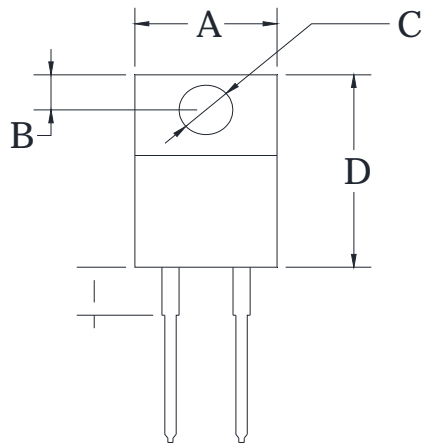
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





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## Outline Dimensions





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### Disclaimer

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