



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: Rinal

002 and JESD22-B102

- Polarity: As marked

■Maximum Ratings (T_j=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MUR1060
Device marking code			MUR1060
Repetitive Peak Reverse Voltage	V_{RRM}	V	600
Average Rectified Current @60Hz half sine-wave, 1 cycle, T _j =25°C	I_{ave}	A	120
Current Squared Time @1ms≤t≤8.3ms T _j =25°C	I^2t	A ² s	60
Storage Temperature	T _{stg}		-55 ~ +175
Junction Temperature	T _j		-55 ~ +175
Typical Junction capacitance @4V,1MHz	C _j	pF	40



MUR1060

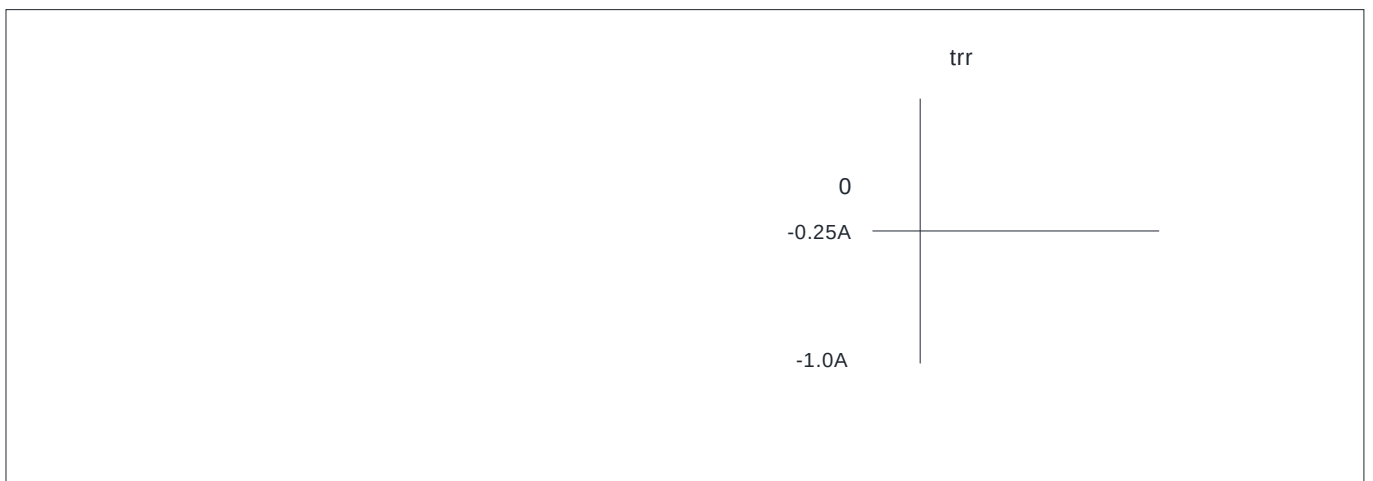
■Electrical Characteristics

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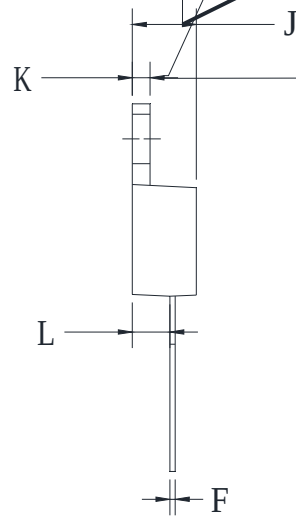
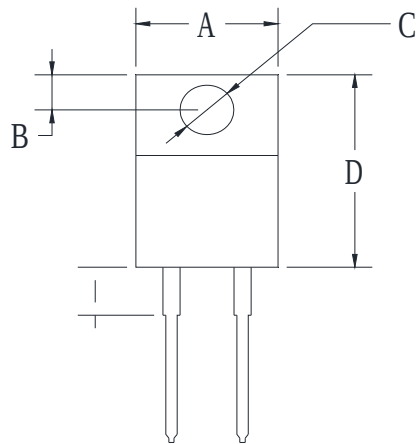
■Characteristics (Typical)

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





■Outline Dimensions





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