



# MUR3060FL

## Ultra-Fast Recovery Diodes 30A FRED

### Features

Adopt FRED chip

A

### Typical Applications

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

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

**Polarity:** As marked

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

PARAMETER	SYMBOL		MUR3060FL
Device marking code			MUR3060FL
Repetitive Peak Reverse Voltage	VRRM	V	600
Average Rectified Output Current @60Hz sine wave, R-load, T <sub>c</sub> (FIG.1)	I <sub>O</sub>	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T <sub>a</sub> =25	IFSM	A	300
Current Squared Time @1ms t 8.3ms T <sub>j</sub> =25	I <sup>2</sup> t	A <sup>2</sup> s	373
Single Pulse Avalanche Energy @ T <sub>p</sub> =40uS, T <sub>j</sub> =25, L=15mH	EAS	mJ	210
Storage Temperature	T <sub>stg</sub>		-55 ~ +175
Junction Temperature	T <sub>j</sub>		-55 ~ +175
Junction capacitance @4V,1MHz	C <sub>j</sub>	pF	160









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