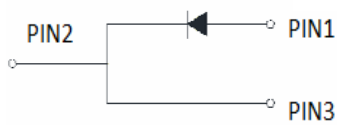
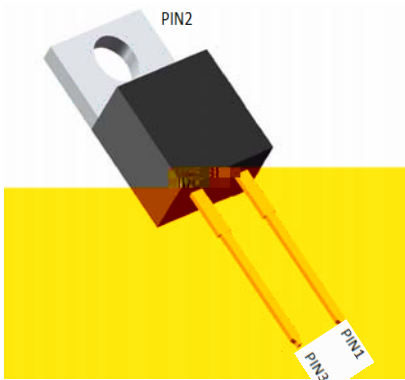


## Ultra-Fast Recovery Diodes 30A FRED Pt



### 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 life
- Temperature range: -55°C to +175°C, solderable per IPC-6102 and JESD22-B102
- Polarity:** As marked

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

PARAMETER	SYMBOL	UNIT	MURL3060
Device marking code			MURL3060
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	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>j</sub> =25	I <sub>FSM</sub>	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
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	197





**Outline Dimensions**





## Disclaimer

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