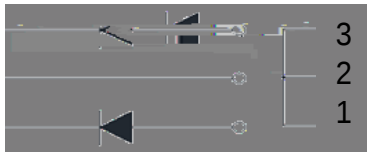
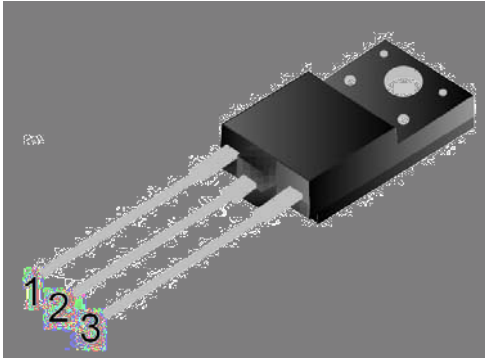




Ultra-Fast Recovery Diodes 30A*2 FRED

Features

Typical Applications



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

Mechanical Data

- **Package:** TO-3PF
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked

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

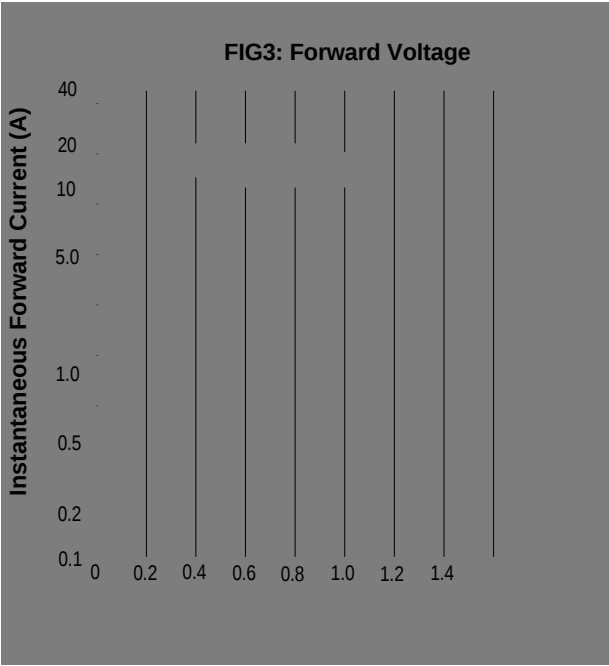
PARAMETER	SYMBOL	UNIT	MUR6060FPT
Device marking code			MUR6060FPT
Repetitive Peak Reverse Voltage	V _{RRM}	V	600
Average Rectified Output Current @60Hz sine wave, R-load, T _c (FIG.1)	I _O	A	60
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T _j =25 °C	I _{FSM}	A	300
Current Squared Time @1ms≤t≤8.3ms T _j =25 °C	I ² t	A ² s	373
Single Pulse Avalanche Energy @ T _p =40μs, T _j =25 °C, L=15mH	EAS	mJ	385
Storage Temperature	T _{stg}		-55 ~ +175
Junction Temperature	T _j		-55 ~ +175
Typical Junction capacitance @4V,1MHz	C _j	pF	195



MUR6060FPT

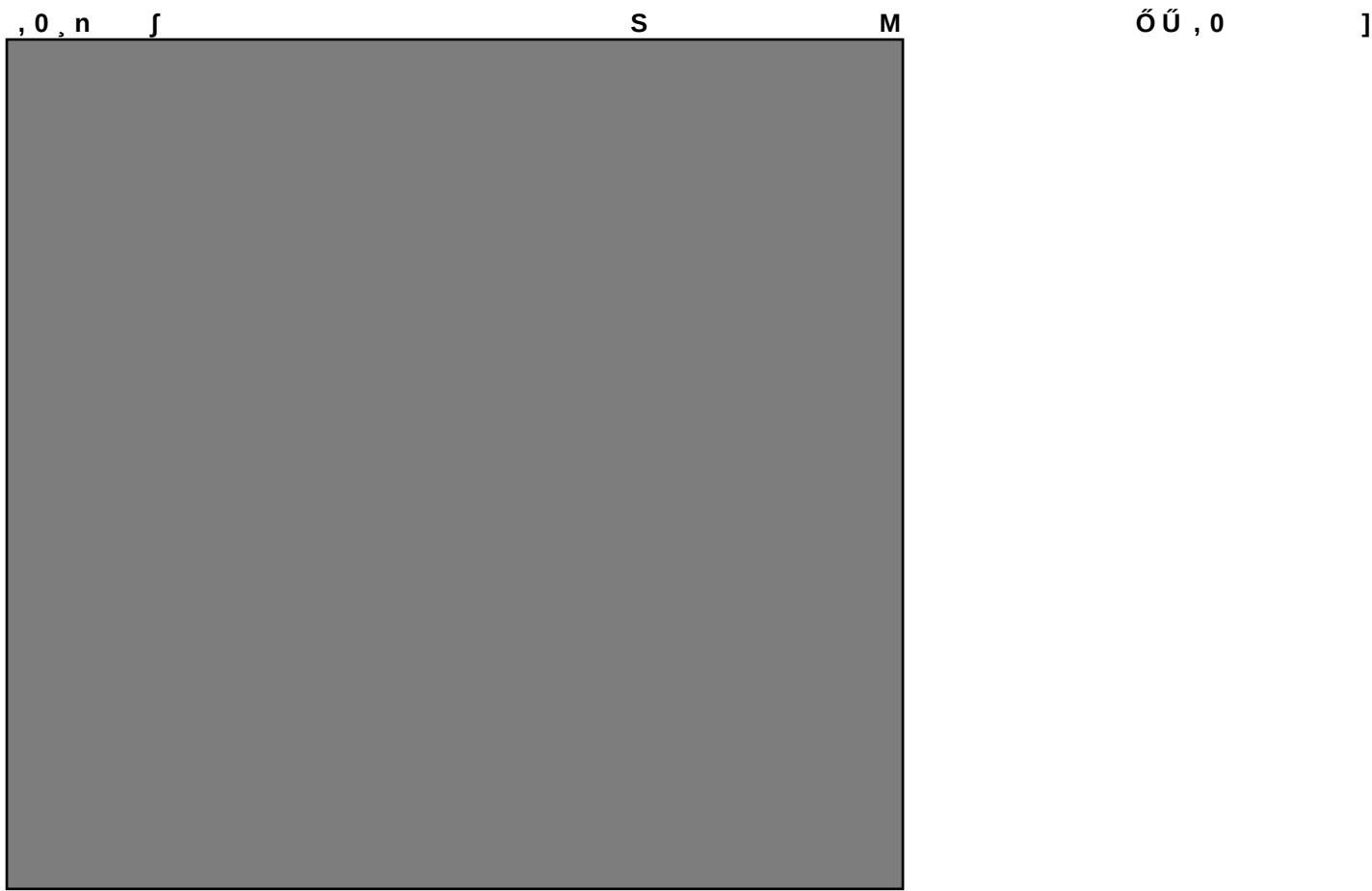
■Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=30.0A$ @ $T_J=25$	-	1.45	1.6
			$I_{FM}=30.0A$ @ $T_J=150$	-	1.25	1.45
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	μA	$V_{RM}=V_{RRM}$ $T_J=25$	-	-	5.0
	I_{RRM2}		$V_{RM}=V_{RRM}$ $T_J=150$	-	65	200
Reverse Recovery Time		T_{rr}	$I_F=0.5A$ $I_{RM}=1A$ $I_{RR}=0.25A$ $T_J=25$	-	38 %	50





■ Outline Dimensions





MUR6060FPT

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes to the specification of the products displayed here without notice in order to improve reliability, performance or other reasons.

The product listed here is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require a high level of reliability. If the malfunction of a product could directly endanger human life (such as medical instruments, transport equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and safety devices) or any other safety-critical applications, the user must assume full responsibility for any damages resulting from such improper use of sale.

This publication does not constitute an offer of any financial product or service. For additional information, please visit our website <http://www.21yangjie.com> or contact our sales office for further details.