MUR3005PT thru MUR3060PT

Pb Free Plating Product



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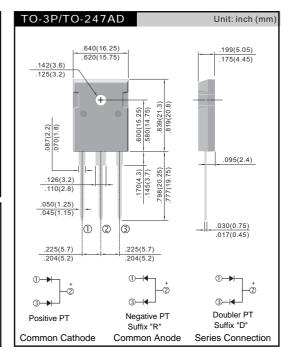
30 Ampere Glass Passivated Ultrafast Rectifiers

Features

- ♦ Dual rectifier construction, positive center-tap
- ∻ Plastic package has Underwriters Laboratory Flammability Classification 94V0
- ∻ Glass passivated chip junctions
- \diamond Superfast recovery time, high voltage
- Low forward voltage, high current capability \diamond
- ∻ Low thermal resistance
- Low power loss, high efficiency ∻
- High temperature soldering guaranteed: ふ 260°C, 0.16"(4.06mm)from case for 10 seconds

Mechanical Data

- Cases: TO-3P/TO-247AD molded plastic ♦
- ∻ Terminals: Pure tin plated, lead free solderable per MIL-STD-750. Method 2026
- ♦ Polarity: As marked
- ∻ Mounting position: Any
- ∻ Mounting torque: 10in-lbs. Max.
- ♦ Weight: 0.2 ounce, 5.6 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

	SYMBOL	MUR 3005PT	MUR 3010PT	MUR 3020PT	MUR 3030PT	MUR 3040PT	MUR 3060PT	UNIT
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	300	400	600	V
Maximum RMS Voltage	VRMS	35	70	140	210	280	420	V
Maximum DC Blocking Voltage	VDC	50	100	200	300	400	600	V
Maximum Average Forward Rectified Current Tc=125°C	IF(AV)	30.0						A
Peak Forward Surge Current, 8.3ms single Half sine-wave superimposed on rated load (JEDEC method)	IFSM	300						А
Maximum Instantaneous Forward Voltage @ 15.0 A	VF	0.95			1.3		1.5	V
Maximum DC Reverse Current @TJ=25°C At Rated DC Blocking Voltage @TJ=125°C	lr	10 500						uA uA
Maximum Reverse Recovery Time (Note 1)	Trr	35 60					nS	
Typical junction Capacitance (Note 2)	CJ	150						pF
Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +150						°C

NOTES : (1) Reverse recovery test conditions IF = 0.5A, IR = 1.0A, Irr = 0.25A. (2) Thermal Resistance junction to terminal. (3) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts DC.

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