

MUR3010PT - MUR3060PT

Voltage Range - 100 to 600 V Forward Current - 30 Ampere

ULTRA FAST RECTIFIER

FEATURES

- Fred Chip Planar Construction
- SuperFast Switching, High Efficiency
- Low Power loss, High Efficiency
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O

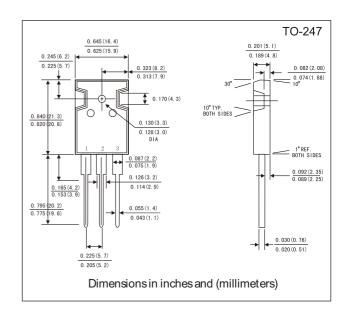
MECHANICAL DATA

Case: TO-247AD/TO-3P, Molded Plastic

 Terminals:Pure tin Plated ,Lead free Solderable per MIL-STD-750, Method 2026

Polarity: As marked

Weight: 5.6 grams(approx)Mounting Position: Any



Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

• Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	MUR 3010PT	MUR 3020PT	MUR 3030PT	MUR 3040PT	MUR 3050PT	MUR 3060PT	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	100	200	300	400	500	600	V
Maximum RMS Voltage	V_{RMS}	70	140	210	280	350	420	V
Maximum DC Blocking Voltage	V_{DC}	100	200	300	400	500	600	V
Maximum Average Forward Per Leg Current (See Figure 1) Total Device	$I_{F(AV)}$	15 30						A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	300						A
Maximum Forward Voltage at 15A per leg	V_{F}	0.975		1.3		1.7		V
Maximum DC Reverse Current at $TA = 25$ °C Rated DC Blocking Voltag $TA = 100$ °C	I_R	5 500						uA
Maximum Reverse Recovery Time (Measured With IF=0.5A, IR=1.0A,IRR=0.25A)	Trr	35 50						nS
Typical Thermal Resistance Junction to Ambient	$R_{\theta J A}$	40.0						°C/W
Typical Thermal Resistance Junction to Case	$R_{\theta \mathrm{J} \mathrm{C}}$	1.0						°C/W
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-65 to +175						°C

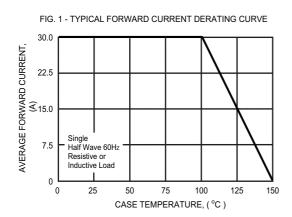
Email: sales@micindia.com Website: www.micindia.com

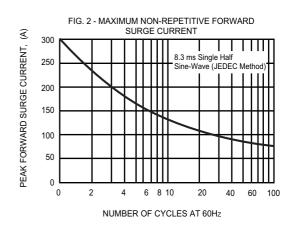


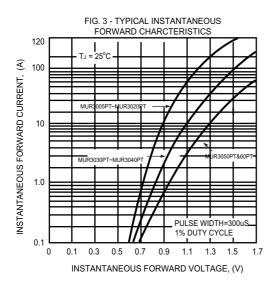
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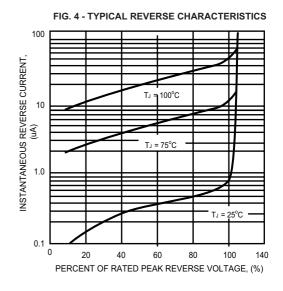
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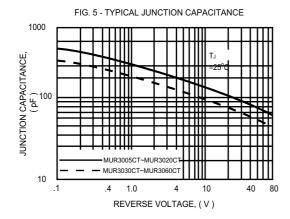
RATING AND CHARACTERISTIC CURVES MUR3010PT - MUR3060PT











Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise

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