

MUR3020PT - MUR3060PT
30A SUPER FAST RECOVERY



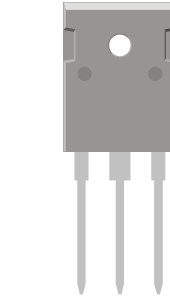
MUR3020PT - MUR3060PT

Features:

- ☐ High Surge Capability
- ☐ Low Forward Voltage Drop
- ☐ High Current Capability
- ☐ Super Fast Switching Speed For High Efficiency



TO-247



1. Anode 2. Cathode 3. Anode

Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter		Symbol	MUR3020PT	MUR3040PT	MUR3060PT	Unit
Maximum Recurrent Peak Reverse Voltage		VRRM	200	400	600	V
Maximum RMS Voltage		VRMS	140	280	420	
Maximum DC Blocking Voltage		VR(DC)	200	400	600	
Maximum Average Forward Current		IF(AV)	30			A
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load (JEDEC method)		IFSM	250			
Maximum Forward Voltage at 15A per leg		VF	0.9	1.3	1.7	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	Tj=25℃	IR	0.2			mA
	Tj=125℃		5			
Maximum Operating Junction Temperature		Tj	150			℃
Storage Temperature		Tstg	-35 ~ +150			
Typical Thermal Resistance		RθJC	1.5			℃/W

Typical Characteristics

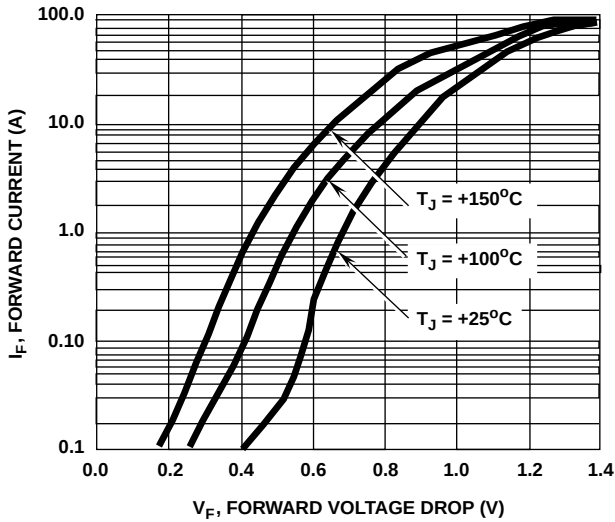


FIGURE 3. FORWARD VOLTAGE vs FORWARD CURRENT CHARACTERISTIC

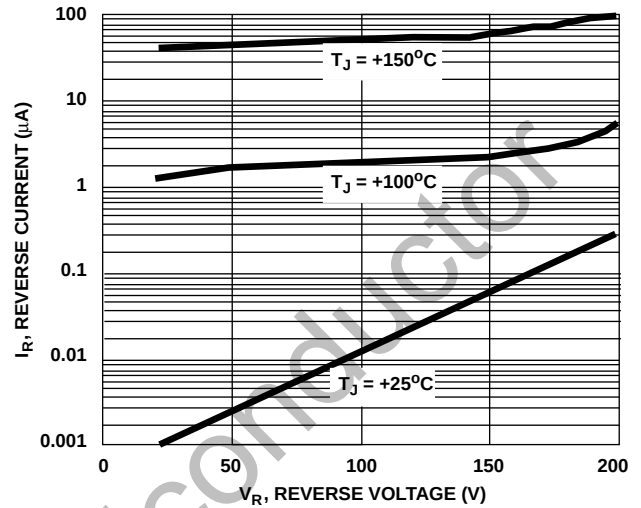


FIGURE 4. REVERSE VOLTAGE vs REVERSE CURRENT CHARACTERISTIC

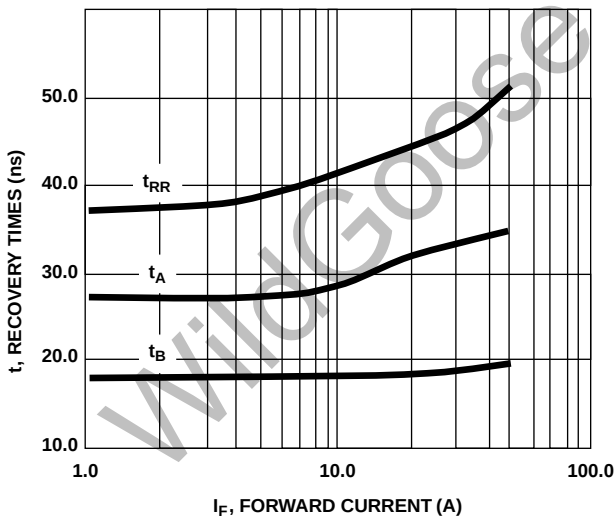


FIGURE 5. TYPICAL t_{RR} , t_A AND t_B CURVES vs FORWARD CURRENT

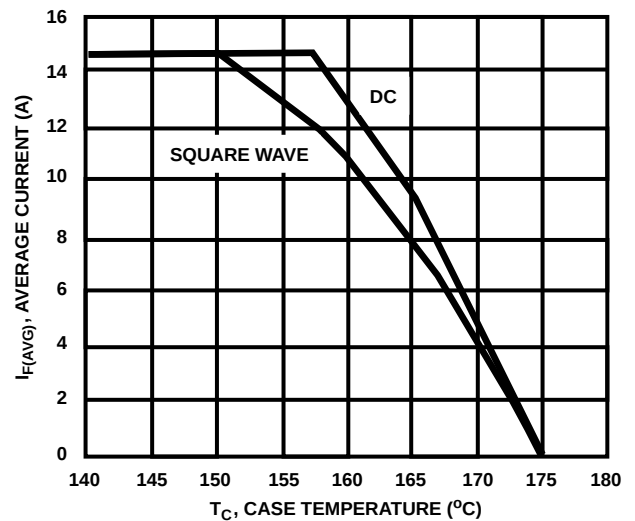


FIGURE 6. TYPICAL CURRENT DERATING CURVE vs CASE TEMPERATURE

Package Dimension

TO-247

Units: mm

