6.24±0.1

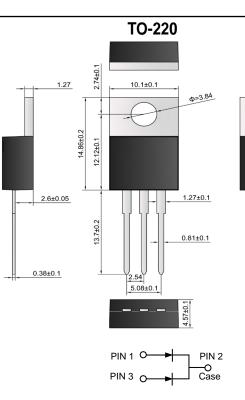
.62±0.1

## **Features**

- **Glass Passivated Die Construction** •
- Superfast 35nS and 50nS Recovery Time
- Low Forward Voltage Drop
- Low Reverse Leakage Current
- High Surge Current Capability
- Epoxy Meets UL 94V-0 Classification
- Ideally Suited for Use in High Frequency SMPS, Inverters and As Free Wheeling Diodes

## **Mechanical Data**

- Case: TO-220, Molded Plastic •
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: See Diagram
- Weight: 1.9 grams (approx.)
- Mounting Position: Any
- Mounting Torque: 0.6 N.m Max.



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

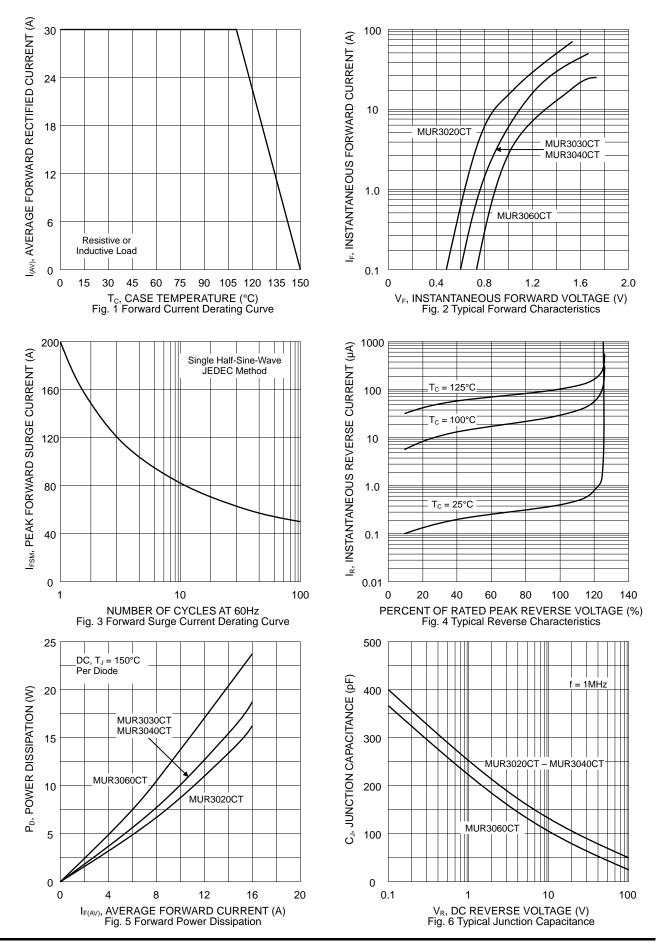
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic		Symbol	MUR 3020CT	MUR 3030CT	MUR 3040CT	MUR 3060CT	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Vrrm Vrwm Vr	200	300	400	600	V
RMS Reverse Voltage		VR(RMS)	140	210	280	420	V
Average Rectified Output Current @T <sub>c</sub> = 110°C	Total Device Per Diode	lo	30 15			А	
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)		IFSM	200			А	
Forward Voltage per diode	@I <sub>F</sub> = 15A	Vfm	1.05	1.	25	1.7	V
Peak Reverse Current At Rated DC Blocking Voltage	@T <sub>c</sub> = 25°C @T <sub>c</sub> = 100°C	lгм	10 500			μA	
Reverse Recovery Time (Note 1)		trr	35 50			nS	
Typical Junction Capacitance (Note 2)		CJ	175 145		145	pF	
Thermal Resistance Junction to Ambient per diode Thermal Resistance Junction to Case per diode		R JA R JC	60 2.4				°C/W
Operating and Storage Temperature Range		TJ, TSTG	-55 to +150				°C

Note: 1. Measured with  $I_F = 0.5A$ ,  $I_R = 1.0A$ ,  $I_{RR} = 0.25A$ . 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.



# MUR3020CT - MUR3060CT

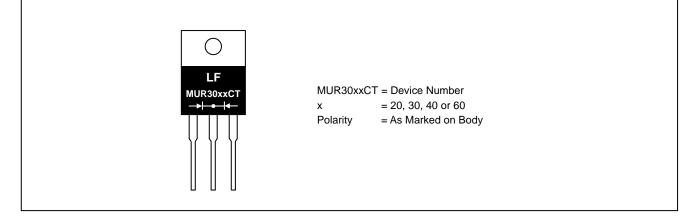


Likun Micro-electroncs Technology Co.,LTD

web:www.lf-diode.com



#### MARKING INFORMATION



# PACKAGING INFORMATION

#### BULK

Tube Size	Quantity	Inner Box Size	Quantity	Carton Size	Quantity	Approx. Gross Weight
L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	(KG)
525 x 31 x 6	50	555 x 145 x 95	2,000	572 x 306 x 218	8,000	19.0

Note: 1. Anti-static tube, water clear color.

#### RECOMMENDED SCREW MOUNTING ARRANGEMENT

