

DISCONTINUED

LITE-ON SEMICONDUCTOR

UNIT V V V А А V/us

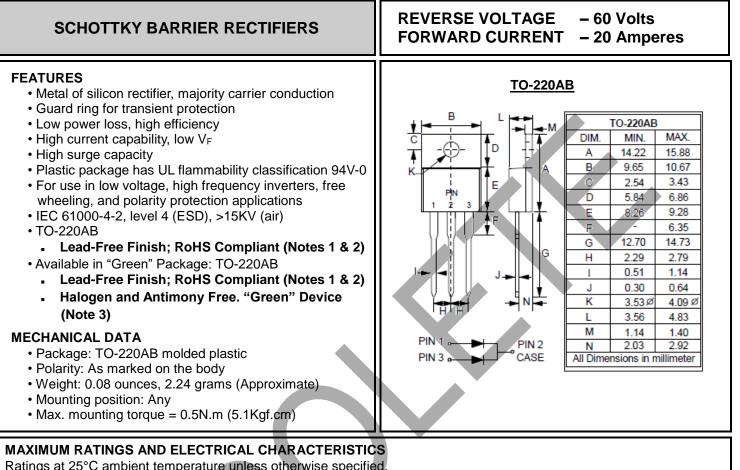
V

pF

°C

°C

MBR2060CT(LS)



Ratings at 25 C ambient ter	inperature unless otherwis	se specified.			
CHARACTE	RISTICS	SYMBOL	VALUE		
Maximum Recurrent Peak Reverse	e Voltage	V _{RRM}	60		
Maximum RMS Voltage		V _{RMS}	42		
Maximum DC Blocking Voltage		V _{DC}	60		
Maximum Average Forward Rectified Current (See Fig.1)	@T _c =125°C	I _(AV)	20		
Peak Forward Surge Current 8.3m Superimposed on Rated Load	s Single Half Sine-Wave	I _{FSM}	150		
Voltage Rate of Change (Rated V _F	2)	dv/dt	10000		
Maximum Forward Voltage (Note 4)	I _F =10A @ T _J =25°C I _F =10A @ T _J =125°C I _F =20A @ T _J =25°C I _F =20A @ T _J =25°C	VF	0.80 0.70 0.95 0.85		

Maximum DC Reverse Current @ T_=25°C 0.020 mA I_R at Rated DC Blocking Voltage @ T_=100°C 15 Typical Junction Capacitance C_{J} 400 per Element (Note 5) Typical Thermal Resistance (Note 6) °C/W 2.0 R_{eJC} ТJ **Operating Temperature Range** -55 to +150 Storage Temperature Range -55 to +175 T_{STG}

Notes:

1. EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant. All applicable RoHS exemptions applied.

2. See https://www.diodes.com/quality/lead-free/ for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.

3. Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

4. 300us pulse width, 2% duty cycle.

5. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

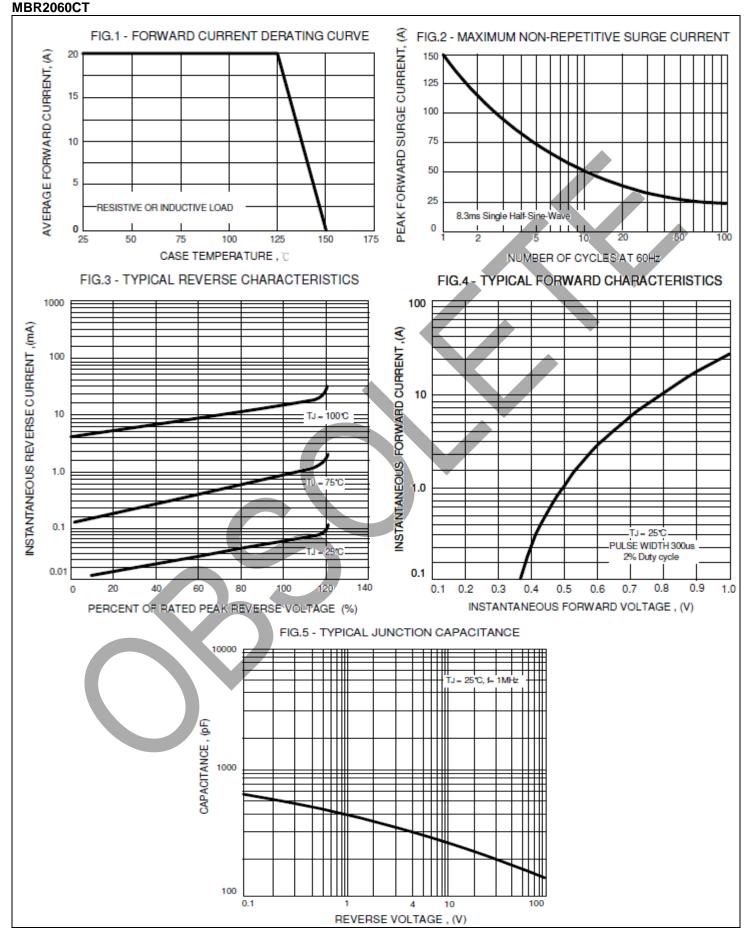
6. Thermal Resistance Junction to Case.



RATING AND CHARACTERISTIC CURVES

A Product Line of Diodes Incorporated

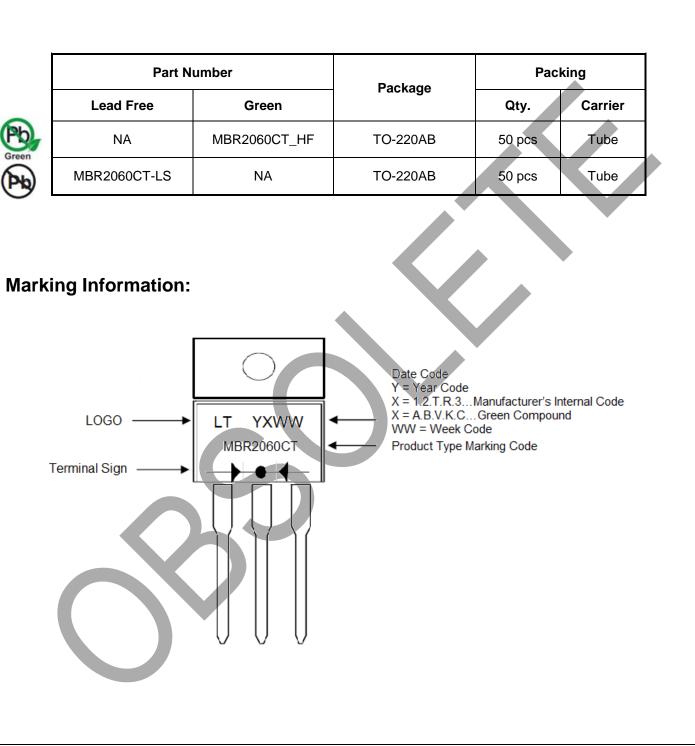
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