

MUR2060CT

Rev.A Dec.-2024

/ Descriptions

TO-220

Fast Recovery Epi Diodes in a TO-220 Plastic Package.

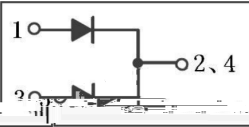
/ Features

High frequency operation, High surge forward current capability, HF Product.

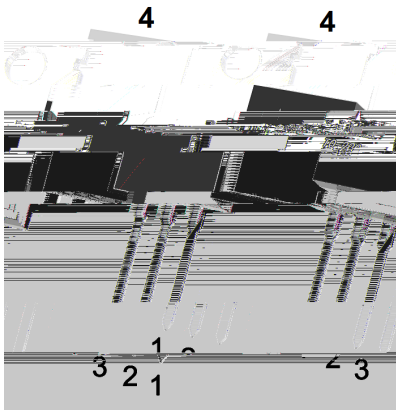
/ Applications

For high frequency, high voltage, high current rectifier diode, freewheeling diode.

/ Equivalent Circuit



/ Pinning



PIN1 Anode PIN 2 4 Cathode PIN 3 Anode

/ Marking

See Marking Instructions.

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DATA SHEET

Parameter	Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS voltage	V_{RMS}	420	V
Maximum DC blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current @ $T_c=100$	$I_{F(AV)}$	10x2	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	125	A
Maximum Thermal Resistance Junction To Case	R_{Jc}	4	/W
Operation Junction Temperature and Storage Temperature	T_j, T_{stg}	-40 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=10A$ $T_C=25$		1.35	1.5	V
		$I_F=10A$ $T_C=125$			1.25	
Reverse Recovery Time	R	$V_R=600V$ $T_a=25$			10	μA
		$V_R=600V$ $T_a=125$			500	

Reverse Recovery Time

/ Electrical Characteristic Curve

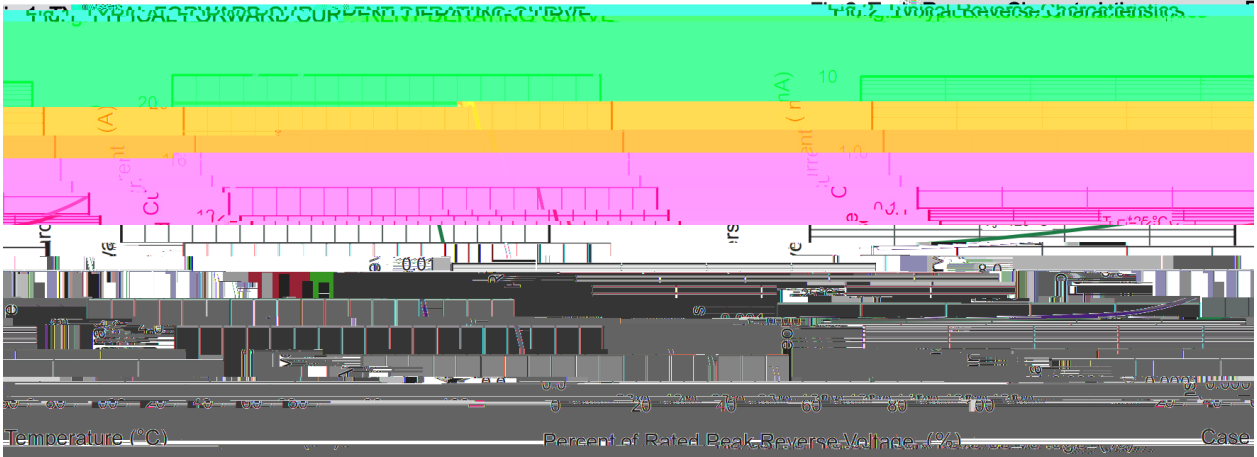
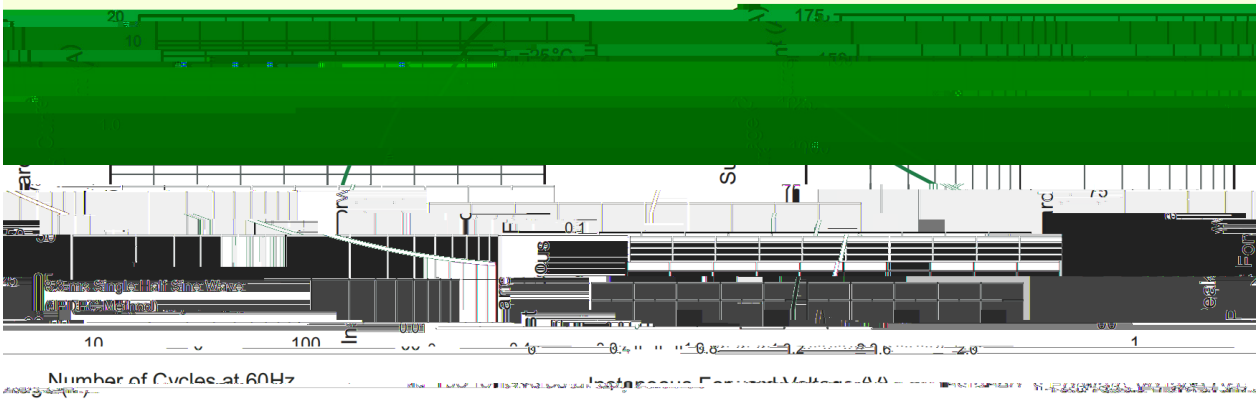
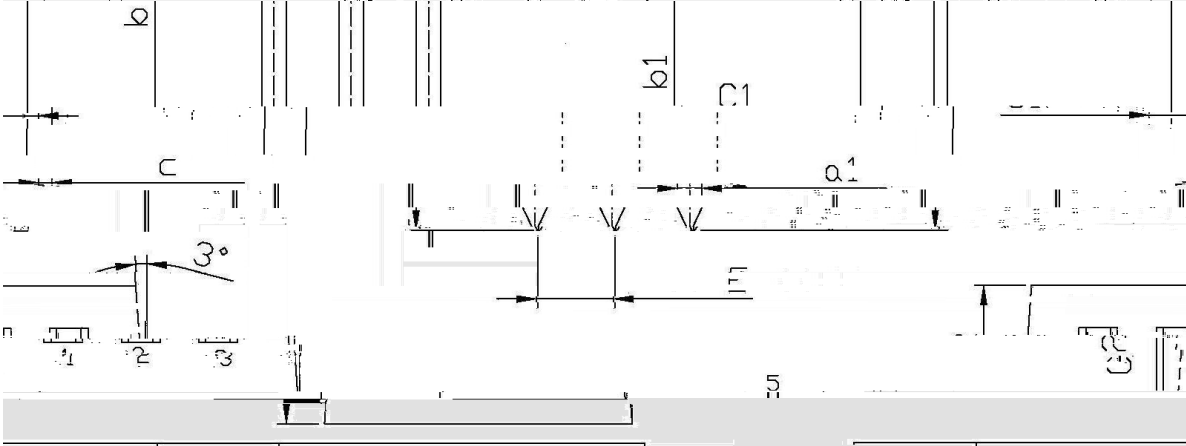
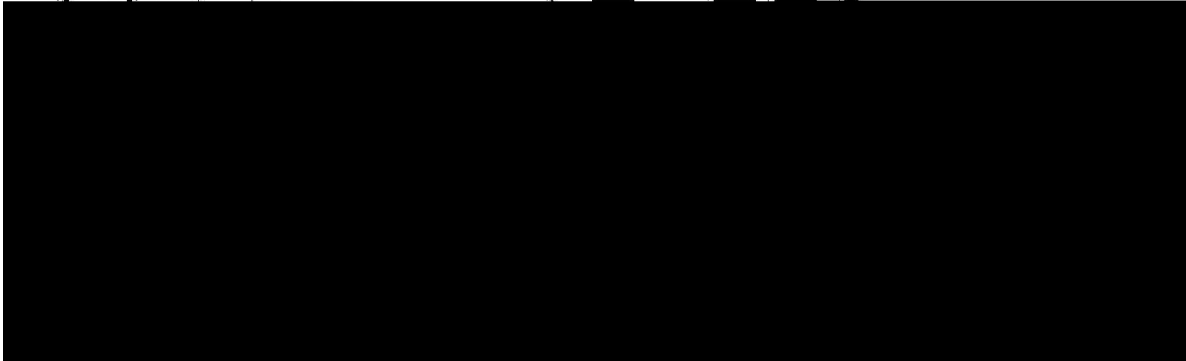


Fig.3 Typical Forward Characteristics

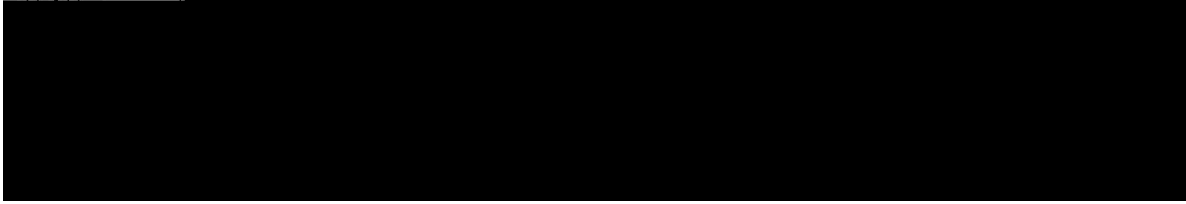
Fig.4 Maximum Non-Repetitive Peak Forward Surge Current



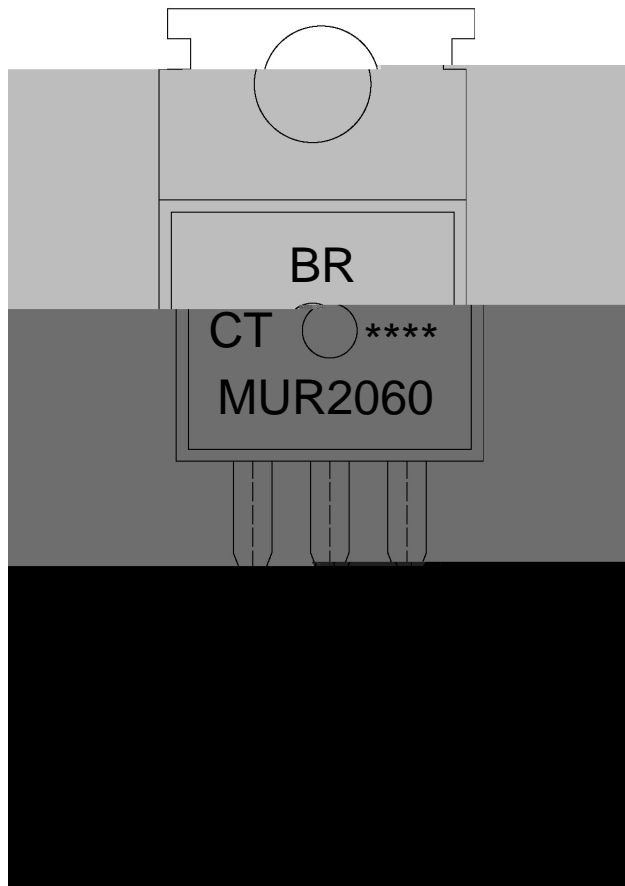
/ Package Dimensions



Symbol	Min	Max	Symbol	Min	Max
A	12	14	A	9.8	10.2
B	6.3	6.7	R	3.56	3.64
C	9.3	9.4	L	15.7	16.1
C1	2.2	2.6	h	12.6	13.6



/ Marking Instructions



BR

MUR2060

CT:

Note:

BR: Company Code

MUR2060 Product Type Code

CT: Internal Structure

****: Lot No. Code, code change with Lot No

