

# MUR2060CT

Rev.A Dec.-2024

## / Descriptions

TO-220

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

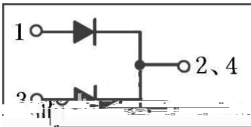
## / Features

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

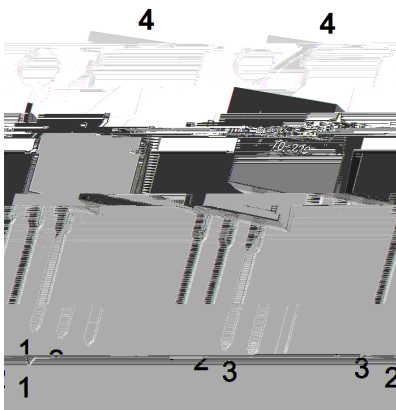
## / Applications

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	$t_{rr}$	$V_R=600V$ $T_a=25$			10	$\mu A$
		$V_R=600V$ $T_a=125$			500	

/ Electrical Characteristic Curve

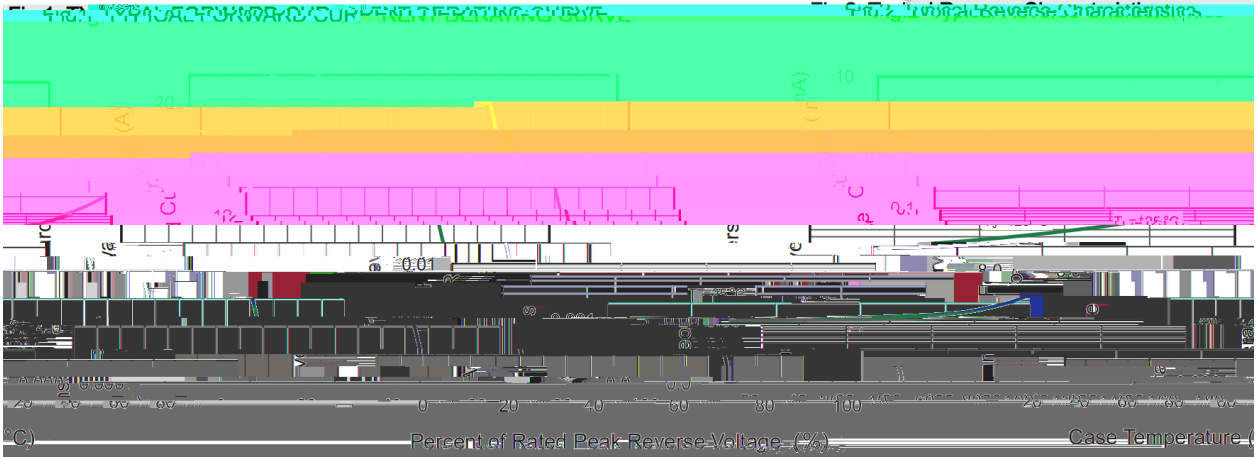
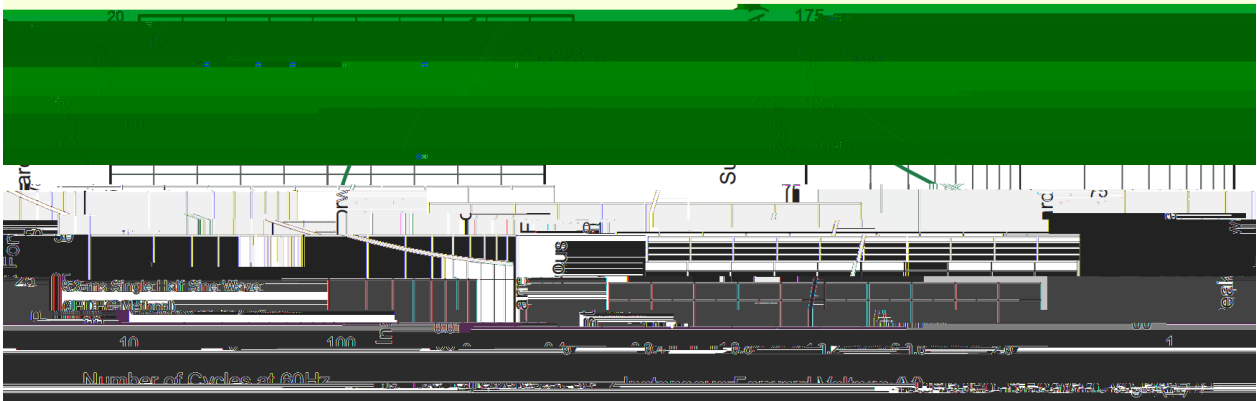
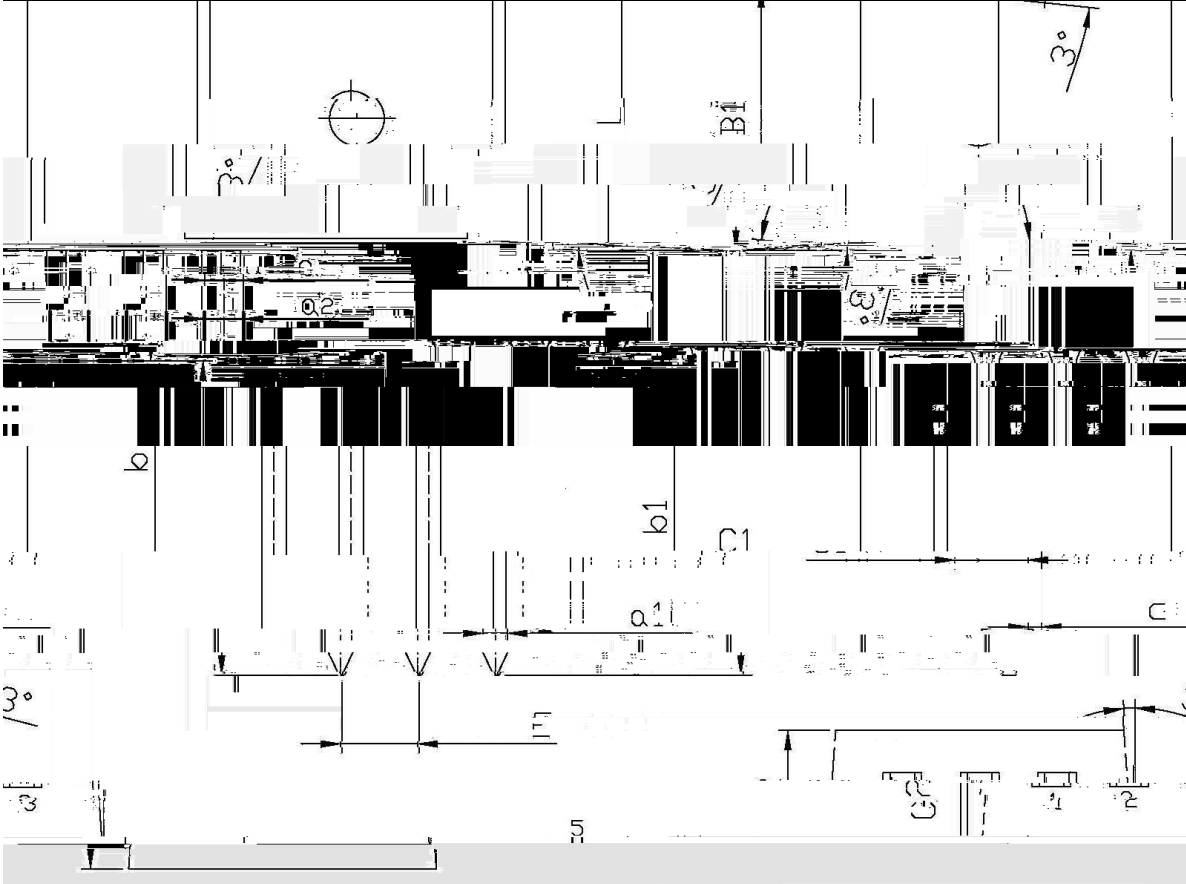
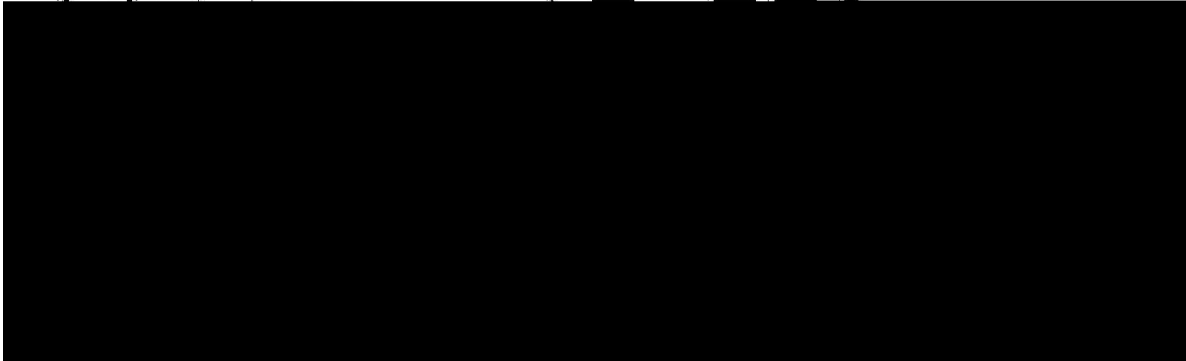


Fig.3 Typical Forward Characteristics

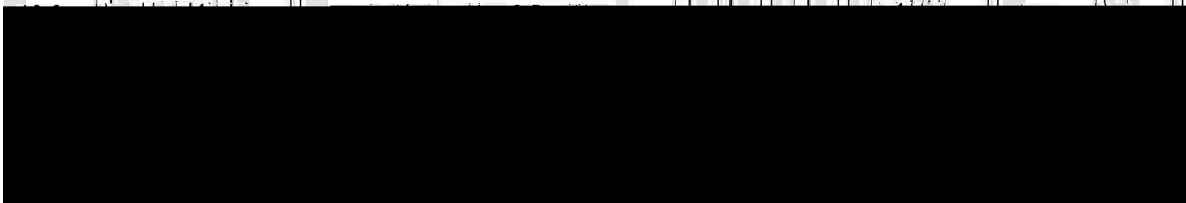
Fig.4 Maximum Non-Repetitive Peak Forward Surge Current



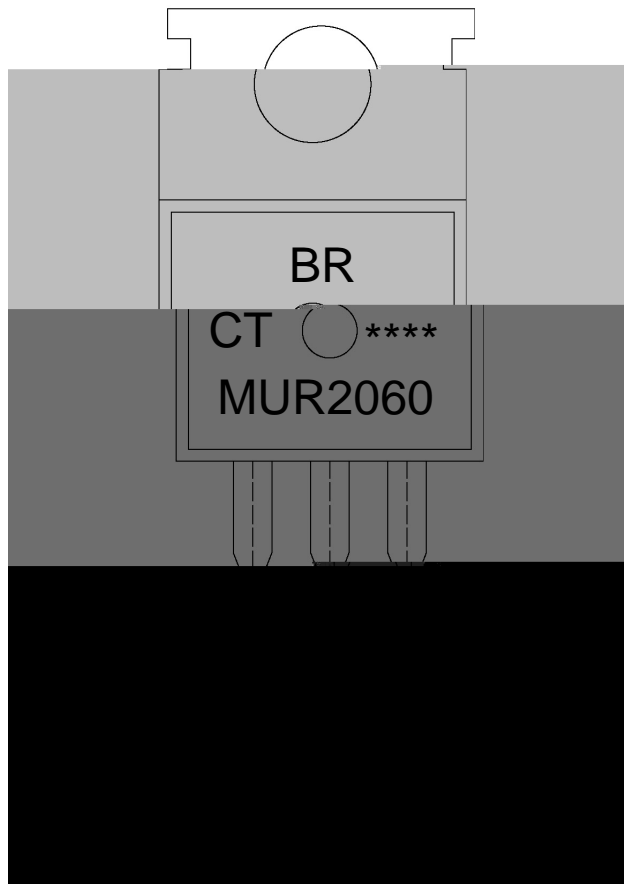
/ Package Dimensions



Dimension	Min	Max	Dimension	Min	Max	Sym
W	1.2	1.4	A	0.8	1.0	C
B	6.3	6.7	R	3.56	3.64	
W	1.9	2.1		1.57	1.61	
C <sub>1</sub>	2.2	2.6	b	12.6	13.6	



/ Marking Instructions



BR

MUR2060

CT:

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Note:

BR:                   Company Code

MUR2060           Product Type Code

CT:                   Internal Structure

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

