/ Descriptions

TO-220

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

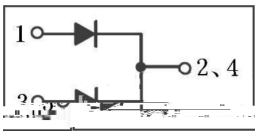
/ Features

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

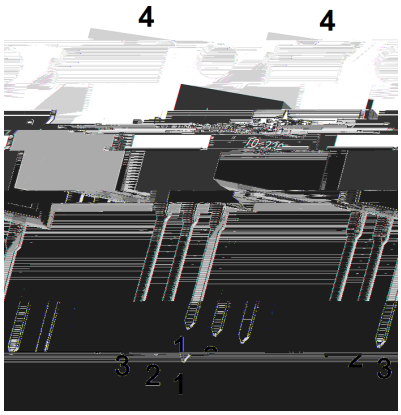
/ Applications

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.

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 @Tc=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	$R_{\theta Jc}$	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	
	R	V_R=600V	T_a=25			10	μA
		V_R=600V	T_a=125			500	
Reverse Recovery Time	t_{rr}	I_F					

/ Electrical Characteristic Curve

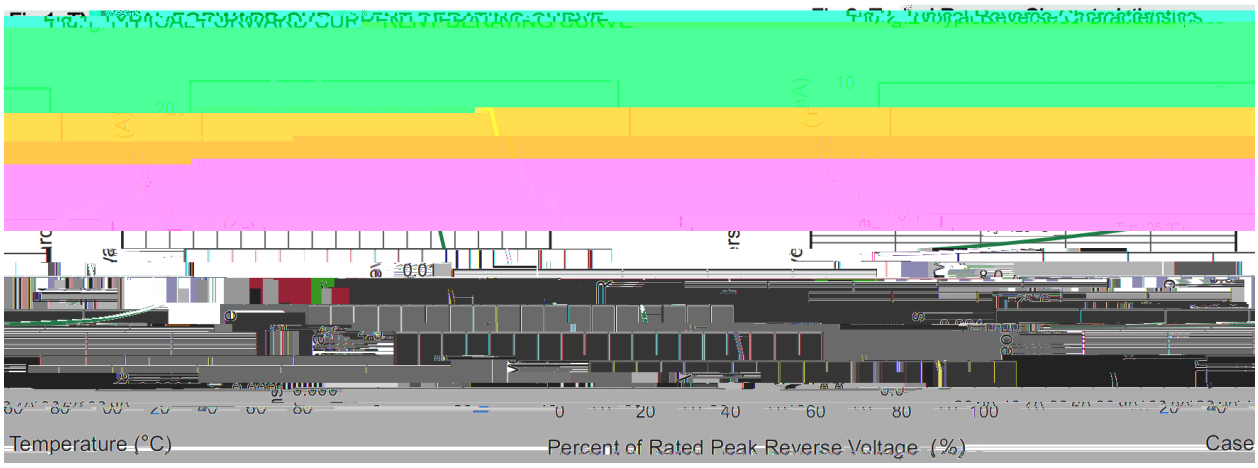
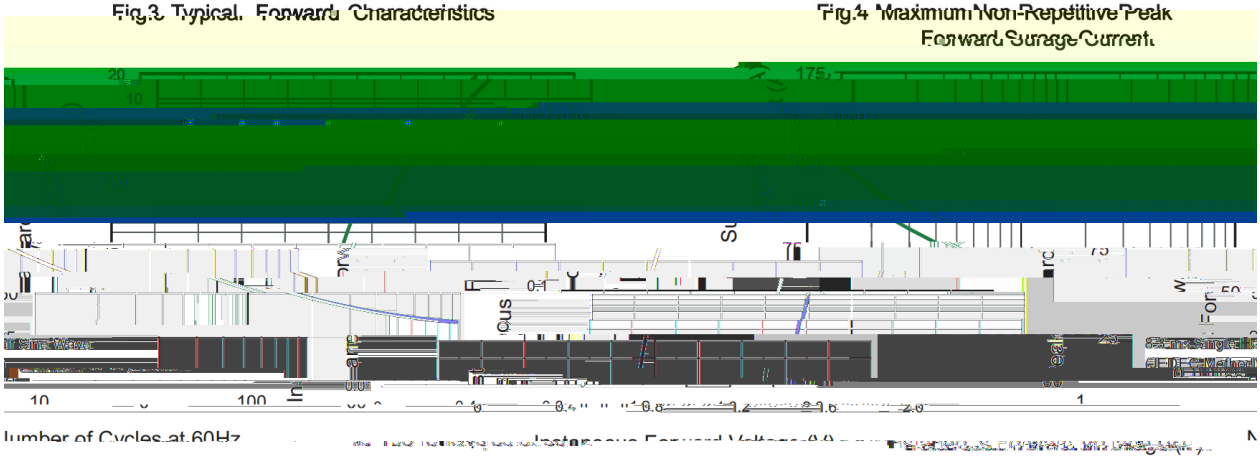
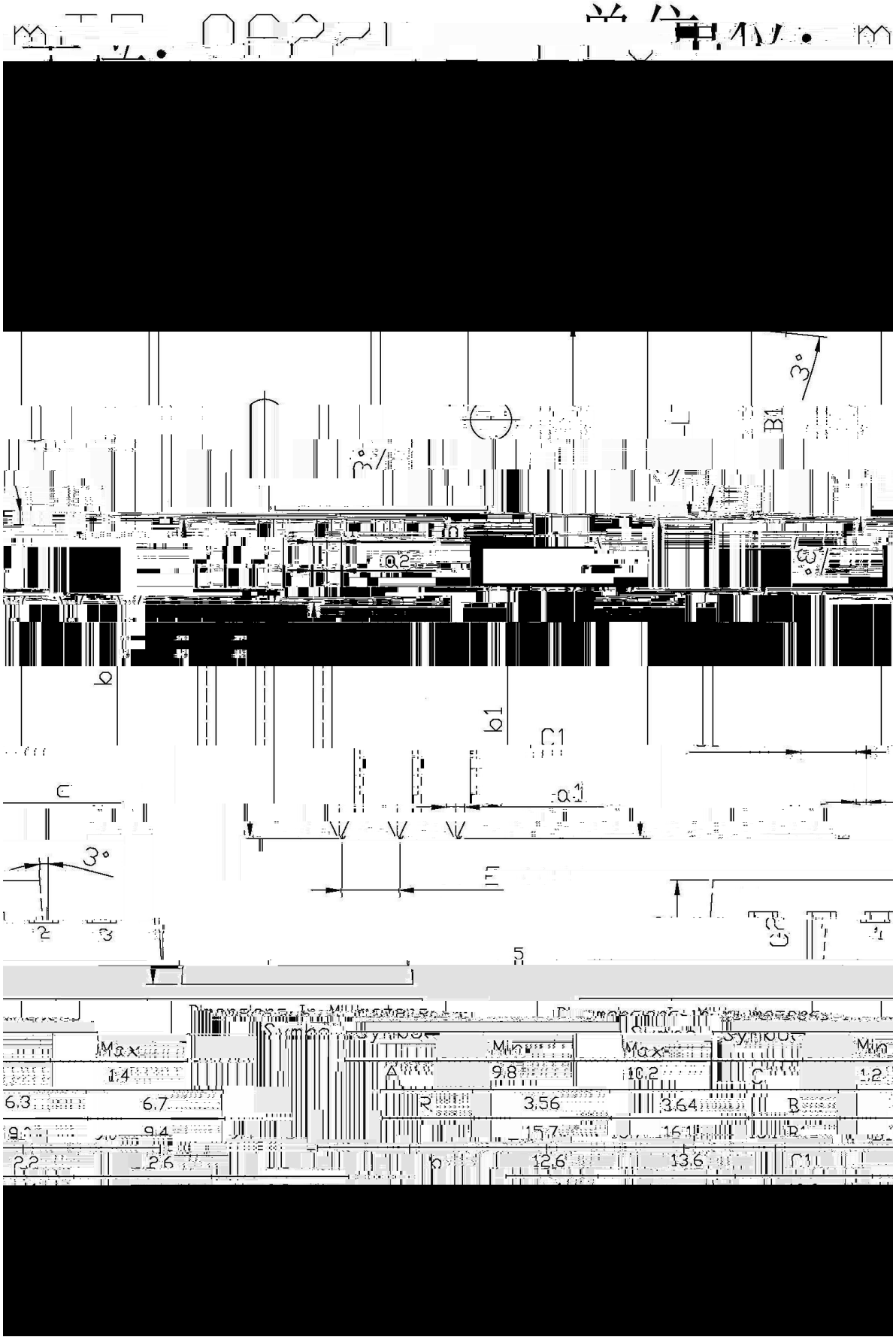


Fig.3 Typical Forward Characteristics

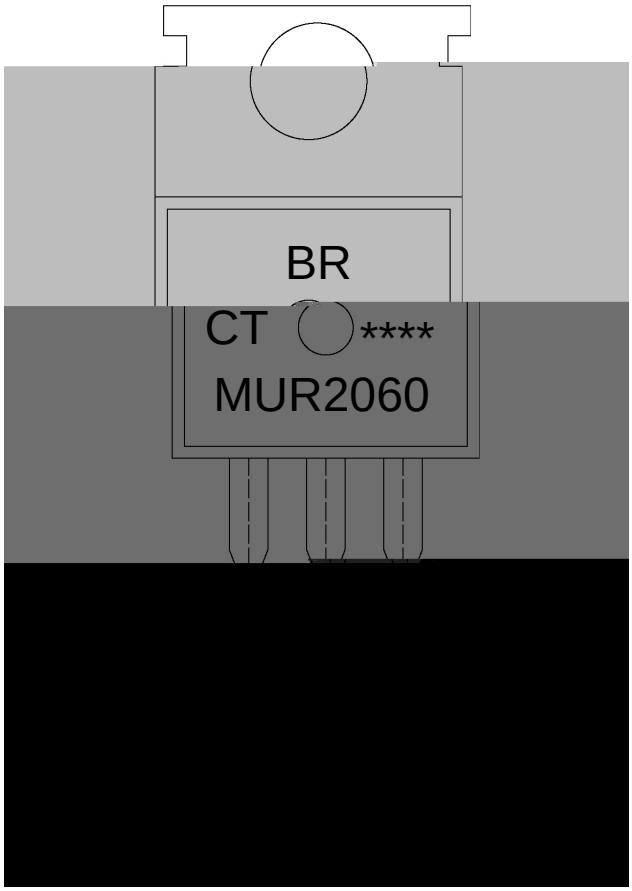
Fig.4 Maximum Non-Repetitive Peak Forward Surge Current



/ Package Dimensions



/ Marking Instructions



BR

MUR2060

CT:

****

Note:

BR:	Company Code
MUR2060	Product Type Code
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No