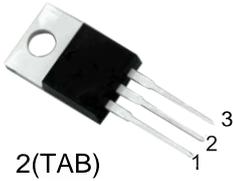


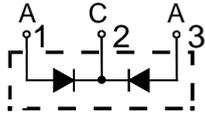
MUR2060CT MUR2060CA

Ultra Fast Recovery Diodes (Common Cathode, Common Anode)

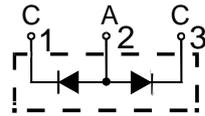


2(TAB)

MUR2060CT

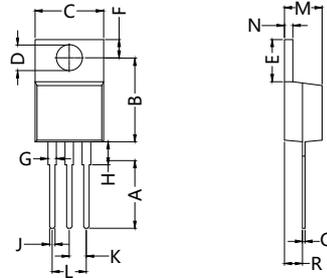


MUR2060CA



A=Anode, C=Cathode

Dimensions TO-220AB



Dim.	Millimeter	
	Min.	Max.
A	12.70	13.97
B	14.73	16.00
C	9.91	10.66
ØD	3.54	4.08
E	5.85	6.85
F	2.54	3.18
G	1.15	1.65
H	2.79	5.84
J	0.64	1.01
K	2.45BSC	
L	5.05BSC	
M	4.32	4.82
N	1.14	1.39
Q	0.35	0.56
R	2.29	2.79

	VRRM	VRWM	VDC
	V	V	V
MUR2060CT	600	420	600
MUR2060CA	600	420	600



Symbol	Characteristics	Maximum Ratings	Unit
$I_{(AV)}$	Maximum Average Forward Rectified Current @ $T_c=95^\circ\text{C}$	20A(2X10 per Leg)	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half-Sine-Wave Superimposed On Rated Load (JEDEC METHOD)	125	A
V_F	Maximum Forward Voltage At Pulse Width=300us 2% Duty Cycle $I_F=10\text{A}$ @ $T_J=25^\circ\text{C}$ $I_F=10\text{A}$ @ $T_J=125^\circ\text{C}$ $I_F=20\text{A}$ @ $T_J=25^\circ\text{C}$ $I_F=20\text{A}$ @ $T_J=125^\circ\text{C}$	1.55 1.50 1.75 1.70	V
I_R	Maximum DC Reverse Current At Rated DC Blocking Voltage @ $T_J=25^\circ\text{C}$ @ $T_J=100^\circ\text{C}$	10 200	μA
C_J	Typical Junction Capacitance Per Element (Note 1)	150	pF
T_{RR}	Maximum Reverse Recovery Time (Note 2)	55	ns
$R_{\theta JC}$	Typical Thermal Resistance (Note 3)	1.5	$^\circ\text{C}/\text{W}$
T_J, T_{STG}	Operating And Storage Temperature Range	-55 to +150	$^\circ\text{C}$

NOTES: 1. Measured At 1.0MHz And Applied Reverse Voltage of 4.0V DC.
2. Reverse Recovery Test Conditions: $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{RR}=0.25\text{A}$.
3. Thermal Resistance Junction To Case.

FEATURES

- * Glass passivated chip
- * Superfast switching time for high efficiency
- * Low forward voltage drop and high current capability
- * Low reverse leakage current
- * High surge capacity
- * RoHS compliant

MECHANICAL DATA

- * Case: TO-220AB molded plastic
- * Polarity: As marked on the body
- * Weight: 2 grams
- * Mounting position: Any

Sirectifier®

MUR2060CT MUR2060CA

Ultra Fast Recovery Diodes (Common Cathode, Common Anode)

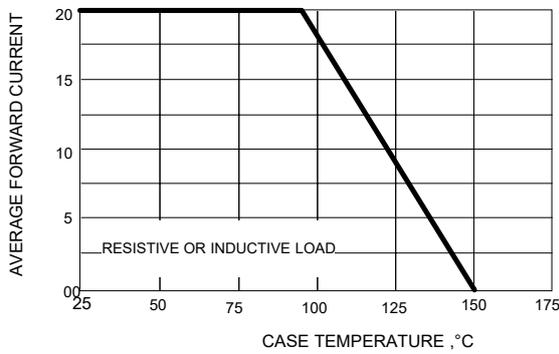


FIG.1 - FORWARD CURRENT DERATING CURVE

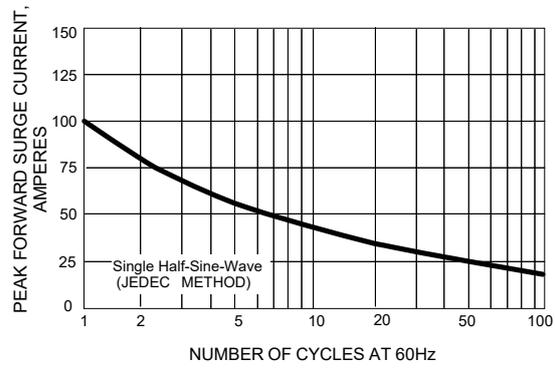


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

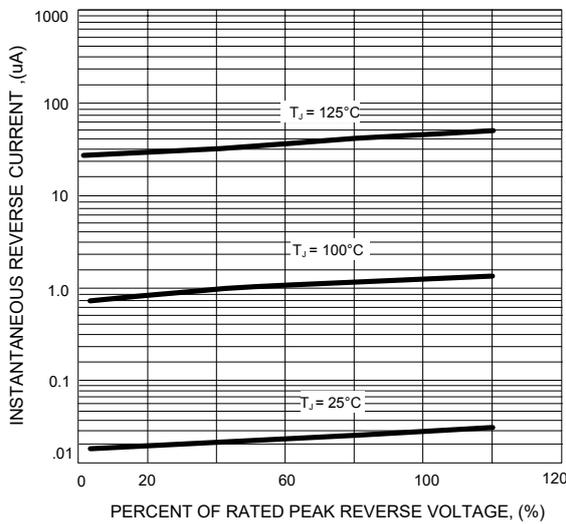


FIG.3 - TYPICAL REVERSE CHARACTERISTICS

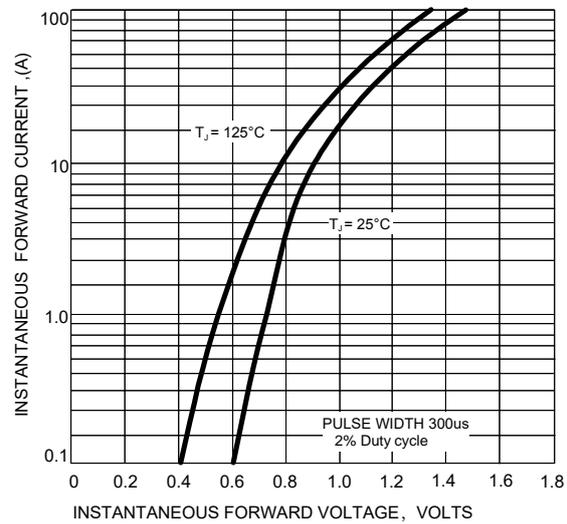


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

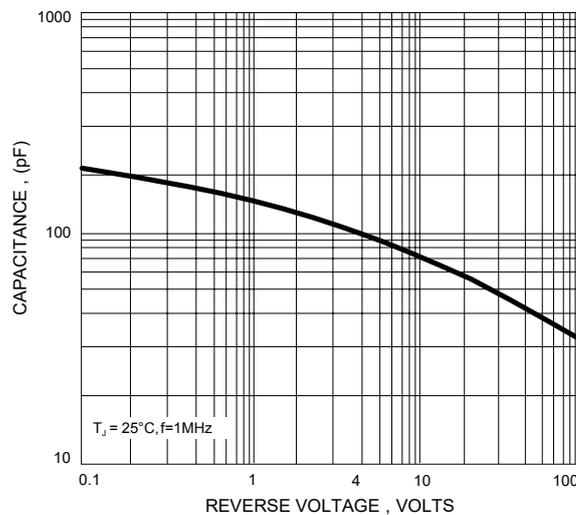
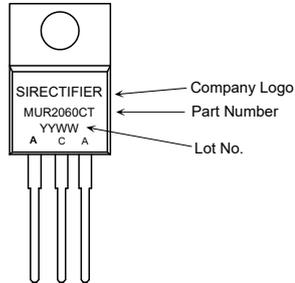


FIG.5 - TYPICAL JUNCTION CAPACITANCE

MUR2060CT MUR2060CA

Ultra Fast Recovery Diodes (Common Cathode, Common Anode)

Marking



Ordering Information

Part Number	Package	Shipping	Marking Code
MUR2060CT	TO-220AB	50pcs / Tube	MUR2060CT
MUR2060CA	TO-220AB	50pcs / Tube	MUR2060CA