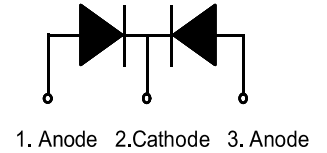
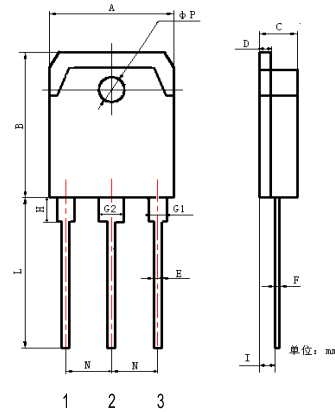




FFA60U60CT

Marking: F60U60CT

Package: TO-3PNB



ULTRA FAST RECOVERY POWER RECTIFIER

Absolute Maximum Ratings (per diode) $T_C=25^{\circ}\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
V_{RRM}	Peak Repetitive Reverse Voltage	600	V
$I_{F(AV)}$	Average Rectified Forward Current @ $T_C = 100^{\circ}\text{C}$	60	A
I_{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	360	A
T_J, T_{STG}	Operating Junction and Storage Temperature	- 65 to +150	$^{\circ}\text{C}$

Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta JC}$	Maximum Thermal Resistance, Junction to Case	0.45	$^{\circ}\text{C/W}$

Electrical Characteristics (per diode) $T_C=25^{\circ}\text{C}$ unless otherwise noted

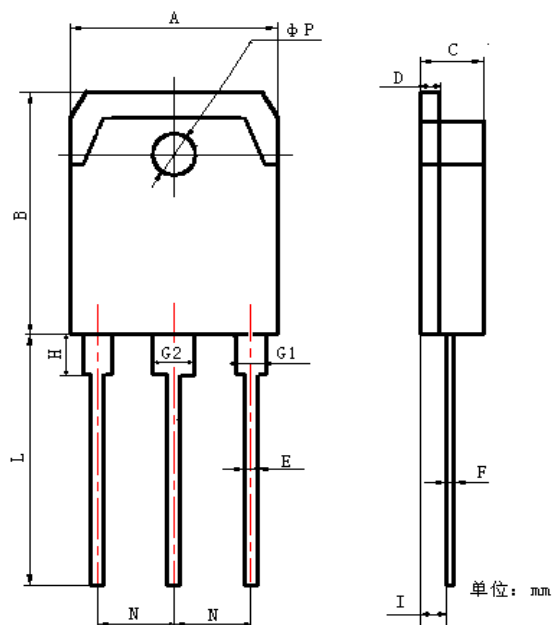
Symbol	Parameter	Min.	Typ.	Max.	Units
$V_{FM} *$	Maximum Instantaneous Forward Voltage				V
	$I_F = 60\text{A}$			2.2	
	$I_F = 60\text{A}$			2.0	
$I_{RM} *$	Maximum Instantaneous Reverse Current				μA
	@ rated V_R			25	
				250	
t_{rr}	Maximum Reverse Recovery Time	-	-	90	ns
I_{rr}	Maximum Reverse Recovery Current	-	-	9	A
Q_{rr}	Maximum Reverse Recovery Charge ($I_F = 60\text{A}$, $di/dt = 200\text{A}/\mu\text{s}$)	-	-	405	nC
W_{AVL}	Avalanche Energy	1.0	-	-	mJ

* Pulse Test: Pulse Width=300 μs , Duty Cycle=2%



FFA60U60CT

T0-3PNB



Symbol	(mm)	
	MIN	MAX
A	15.10	15.90
B	19.50	20.50
C	4.70	4.90
D	1.40	1.60
E	0.90	1.10
F	0.50	0.70
G1	2.00	2.20
G2	3.00	3.20
H	3.00	3.60
I	1.40	1.60
L	19.5	20.9
N	5.25	5.65
ΦP	3.10	3.30