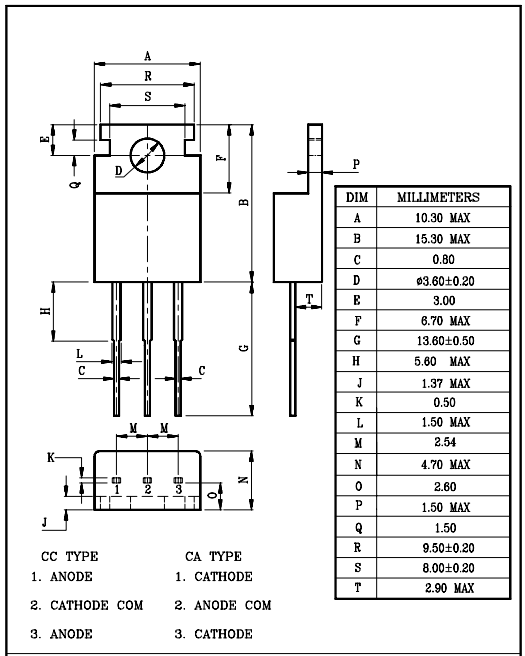
HIGH SPEED RECTIFIER APPLICATION.

FEATURES

- Average Output Rectified Current : I_O=10A(Tc=108℃).
- Repetitive Peak Reverse Voltage : V_{RRM}=200V.
- Rectifier Stack of Single Phase Center Tap Type.

POLARITY

·CC TYPE	·CA TYPE
·CATHODE COMMON	·ANODE COMMON



DIM	MILLIMETERS
A	10.30 MAX
B	15.30 MAX
C	0.80
D	ø3.60±0.20
E	3.00
F	6.70 MAX
G	13.60±0.50
H	5.60 MAX
J	1.37 MAX
K	0.50
L	1.50 MAX
M	2.54
N	4.70 MAX
O	2.60
P	1.50 MAX
Q	1.50
R	9.50±0.20
S	8.00±0.20
T	2.90 MAX

TO-220AB

MAXIMUM RATINGS(Ta=25℃)

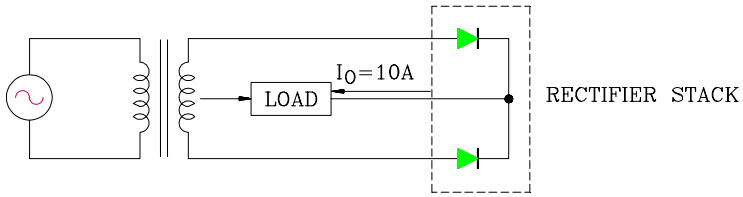
CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	F1B2CC F1B2CA	V_{RRM}	200	V
Average Output Rectified Current (Tc=108℃) (Fig.)		I_O	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	60 (50Hz) 70 (60Hz)	A
Junction Temperature		T_j	-40~150	℃
Storage Temperature Range		T_{stg}	-40~150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

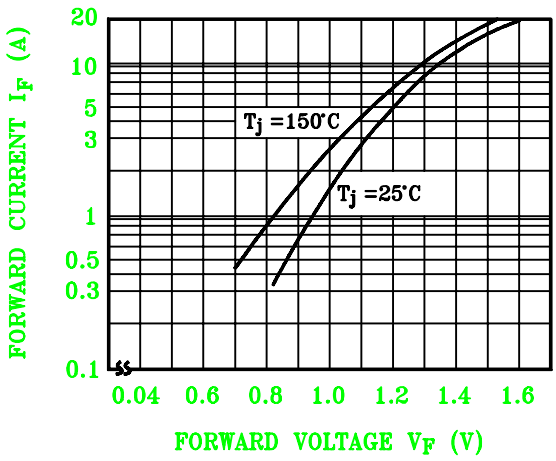
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note)	V_{FM}	I_{FM}=5A	-	-	1.4	V
Repetitive Peak Reverse Current (Note)	I_{RRM}	V_{RRM}=Rated	-	-	10	μA
Reverse Recovery Time	t_{rr}	I_F=0.1A, I_R=0.1A	-	-	400	nS
Thermal Resistance	$R_{th}(j-c)$	Junction to Case	-	-	3.0	℃/W

Note : A Value of one cell.

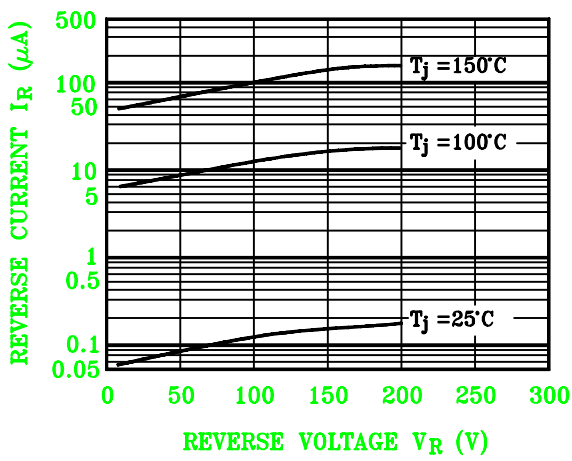
Fig. EXAMPLE OF RECTIFING CIRCUIT



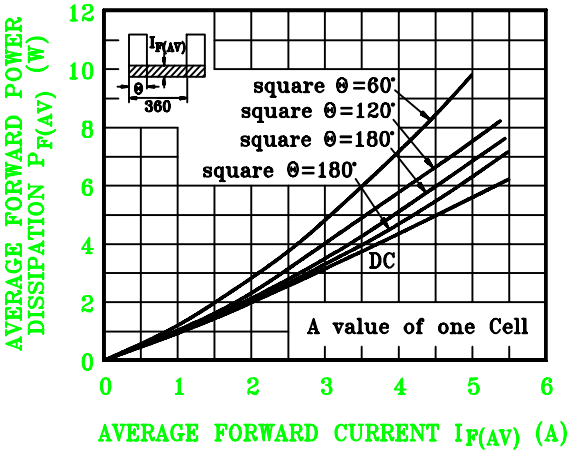
$I_F - V_F$



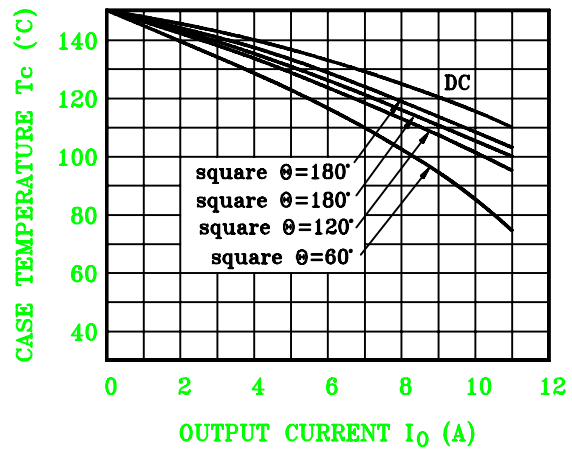
$I_R - V_R$



$P_{F(AV)} - I_{F(AV)}$



CURRENT DERATION (CASE)



SURCE FORWARD CURRENT
(NON-REPETITIVE)