

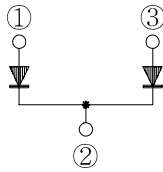
HIGH SPEED RECTIFIER APPLICATION.

FEATURES

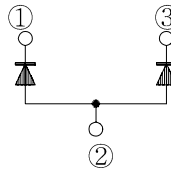
- Average Output Rectified Current :  $I_O=10A$  ( $T_c=101^\circ C$ ).
- Repetitive Peak Reverse Voltage :  $V_{RRM}=200V$ .
- Rectifier Stack of Single Phase Center Tap Type.

POLARITY

- CC TYPE
- CATHODE COMMON

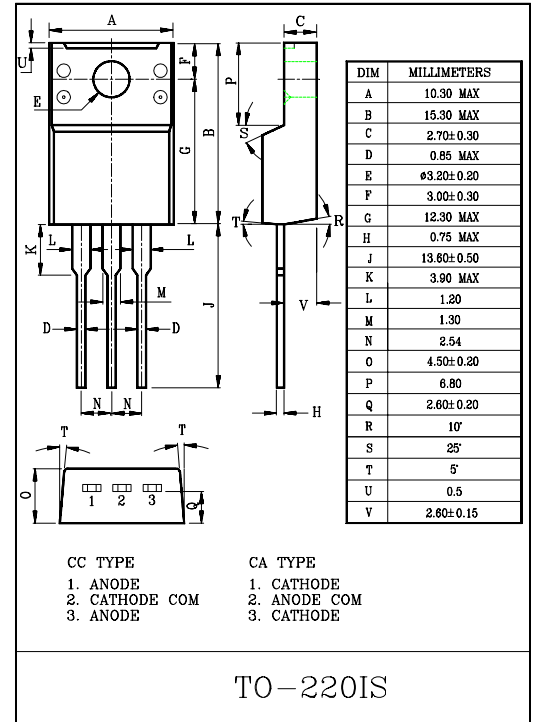


- CA TYPE
- ANODE COMMON



MAXIMUM RATINGS ( $T_a=25^\circ C$ )

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	F1B2CCI F1B2CAI	$V_{RRM}$	200	V
Average Output Rectified Current ( $T_c=101^\circ C$ ) (Fig.)		$I_O$	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive)		$I_{FSM}$	60 (50Hz)	A
			70 (60Hz)	
Junction Temperature		$T_j$	-40 ~ 150	$^\circ C$
Storage Temperature Range		$T_{stg}$	-40 ~ 150	$^\circ C$

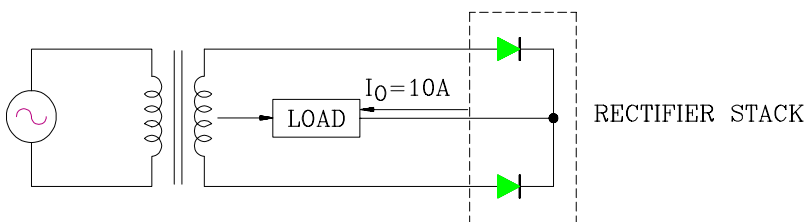


ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )

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)	$I_{RRM}$	$V_{RRM}=\text{Rated}$	-	-	10	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_F=0.1A, I_R=0.1A$	-	-	400	nS
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	3.5	$^\circ C/W$

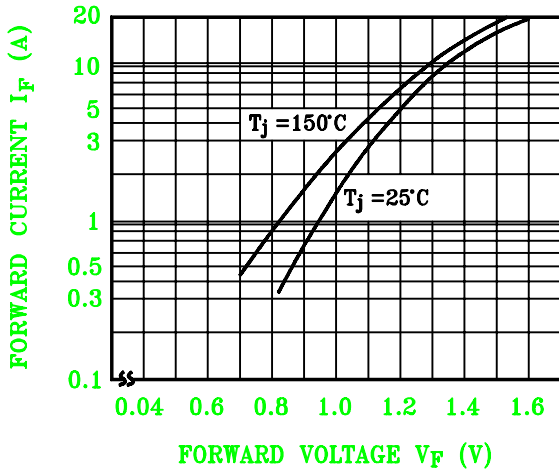
Note : A Value of one cell.

Fig. EXAMPLE OF RECTIFYING CIRCUIT

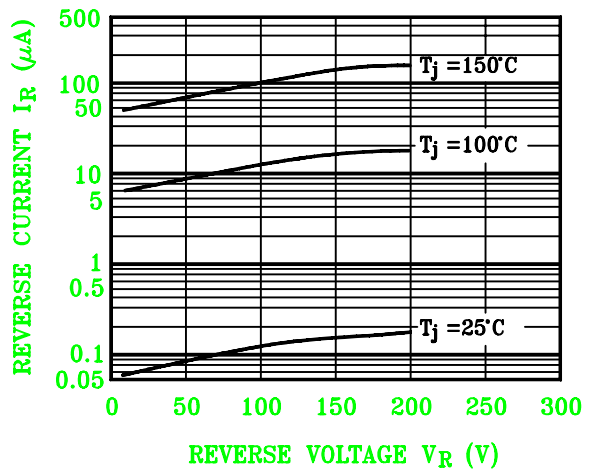


# F1B2CCI/CAI

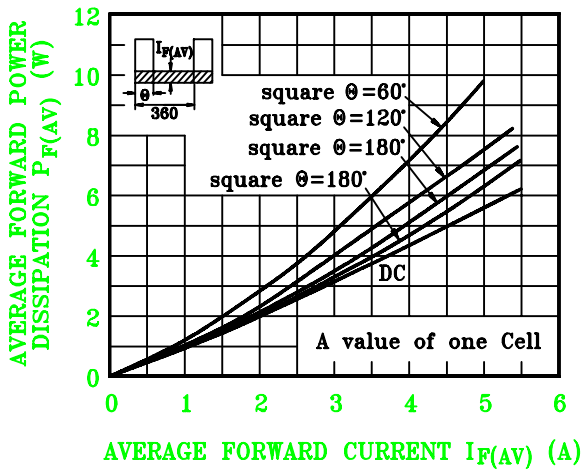
$I_F - V_F$



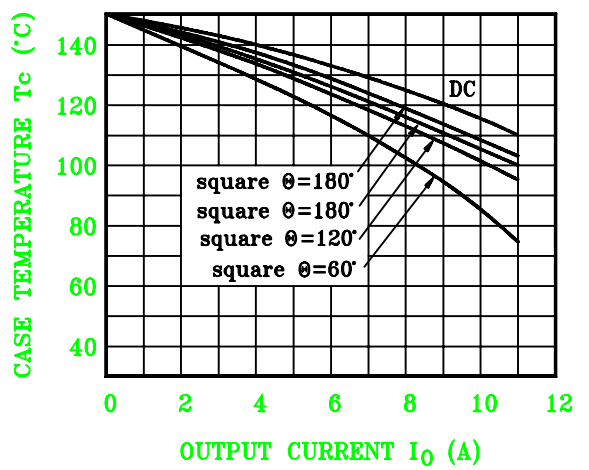
$I_R - V_R$



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



CURRENT DERATION (CASE)



SURGE FORWARD CURRENT (NON-REPETITIVE)

