

HIGH SPEED RECTIFIER APPLICATION.

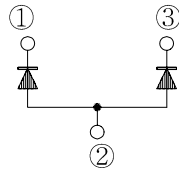
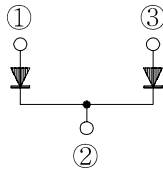
**FEATURES**

- Average Output Rectified Current :  $I_o=10A(T_c=108^\circ C)$ .
- Repetitive Peak Reverse Voltage :  $V_{RRM}=200V$ .
- Rectifier Stack of Single Phase Center Tap Type.

**POLARITY**

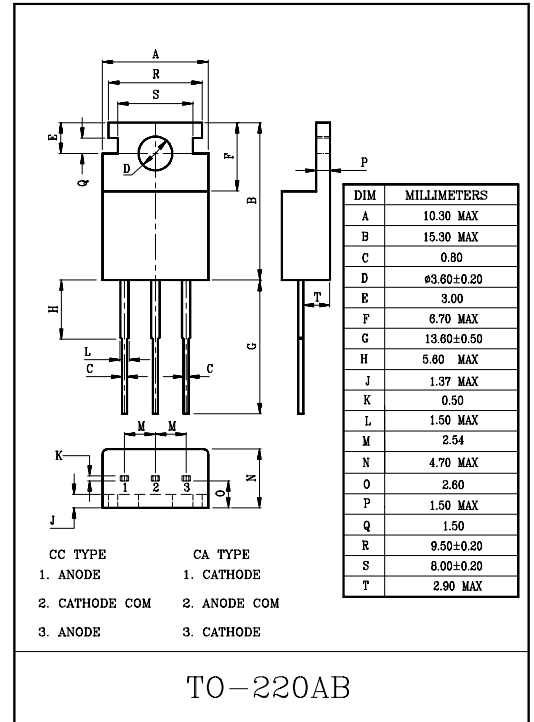
- CC TYPE
- CATHODE COMMON

- CA TYPE
- ANODE COMMON



**MAXIMUM RATINGS(T<sub>a</sub>=25°C)**

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	F1B2CC F1B2CA	$V_{RRM}$	200	V
Average Output Rectified Current (T <sub>c</sub> =108°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	°C
Storage Temperature Range		$T_{stg}$	-40~150	°C

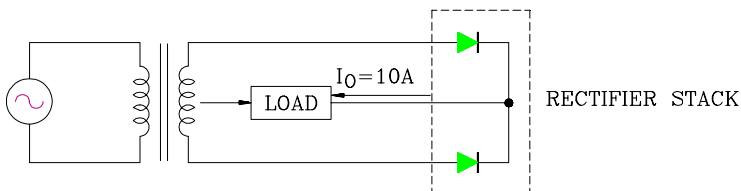


**ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=25°C)**

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	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	°C/W

Note : A Value of one cell.

Fig. EXAMPLE OF RECTIFYING CIRCUIT



# F1B2CC/CA

