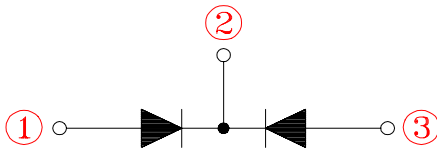


SWITCHING TYPE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
: $I_O=30A$ (With Heat Sink).
- Repetitive Peak Reverse Voltage
: $V_{RRM}=45V$.
- Fast Reverse Recovery Time : $t_{rr}=35nS$.
- Low Peak Forward Voltage : $0.55V$.(Typ.)

POLARITY



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

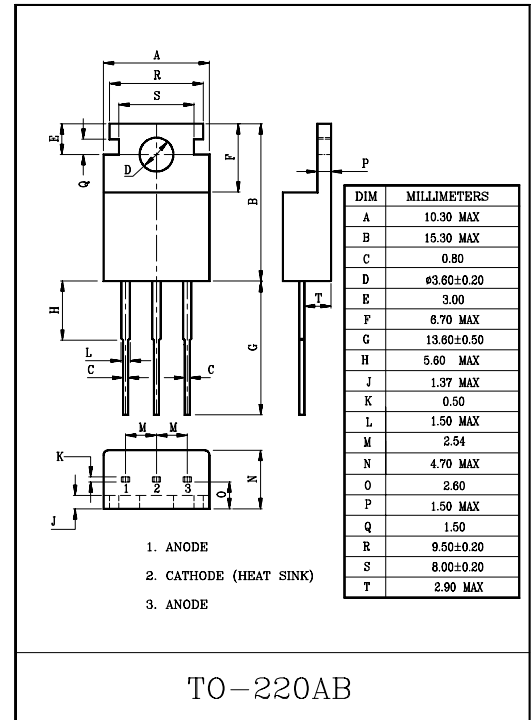
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	45	V
Average Output Rectified Current ($T_c=105^{\circ}C$) (Rated V_R) (Note)	I_O	30	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	350	A
Junction Temperature	T_j	$-40 \sim 150$	$^{\circ}C$
Storage Temperature Range	T_{stg}	$-55 \sim 150$	$^{\circ}C$

Note : average forward current of centertap full wave connection.

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note)	V_{FM}	$I_{FM}=15A$	-	-	0.60	V
Repetitive Peak Reverse Current (Note)	I_{RRM}	$V_{RRM}=\text{Rated}$	-	-	3.0	mA
Reverse Recovery Time (Note)	t_{rr}	$I_F=1.0A$, $di/dt=-50A/\mu S$	-	-	35	nS
Thermal Resistance (Note)	$R_{th(j-c)}$	Juction to Case	-	-	1.5	$^{\circ}C/W$

Note : A value of one cell



B30A45V

