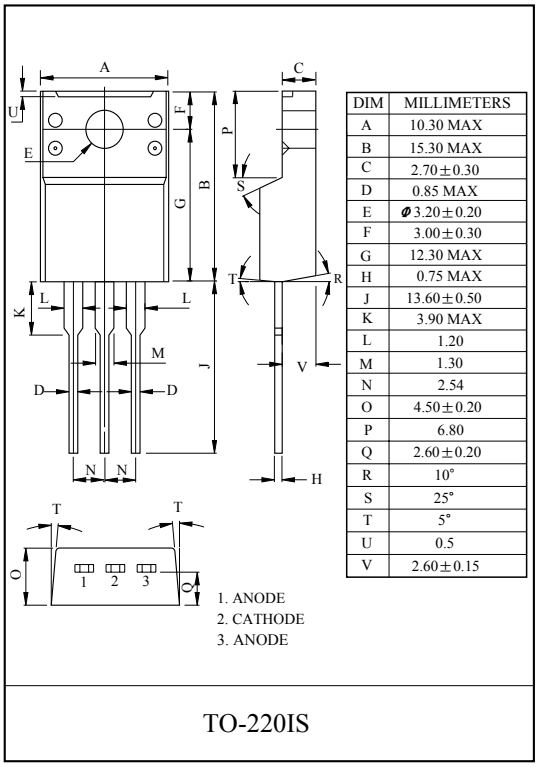
B10A90VIC

SCHOTTKY BARRIER TYPE DIODE STACK

SWITCHING TYPE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
  : I_O=10A (Tc=110℃).
- Repetitive Peak Reverse Voltage
  : V_{RRM}=90V.
- Fast Reverse Recovery Time : t_{rr}=35ns.
- Low Peak Forward Voltage : 0.70V(Typ.)



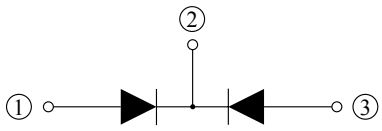
DIM	MILLIMETERS
A	10.30 MAX
B	15.30 MAX
C	2.70±0.30
D	0.85 MAX
E	Ø3.20±0.20
F	3.00±0.30
G	12.30 MAX
H	0.75 MAX
J	13.60±0.50
K	3.90 MAX
L	1.20
M	1.30
N	2.54
O	4.50±0.20
P	6.80
Q	2.60±0.20
R	10°
S	25°
T	5°
U	0.5
V	2.60±0.15

TO-220IS

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	90	V
Average Output Rectified Current (Tc=110℃) (Rated V_R) (Note)	I_O	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	100	A
Junction Temperature	T_j	-40～150	℃
Storage Temperature Range	T_{stg}	-55～150	℃

Note : average forward current of centertap full wave connection.

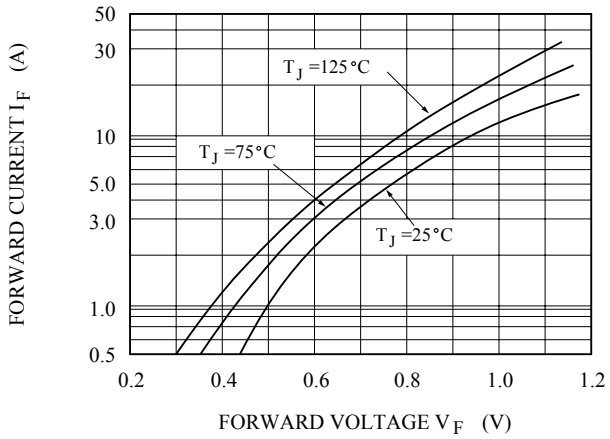


ELECTRICAL CHARACTERISTICS (Ta=25℃)

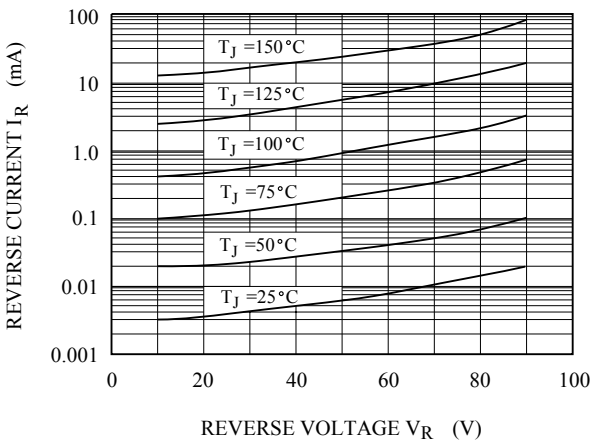
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	(Note)	V_{FM}	I_{FM}=5A	-	0.70	0.75	V
Repetitive Peak Reverse Current	(Note)	I_{RRM}	V_{RRM}=Rated	-	-	3	mA
Reverse Recovery Time	(Note)	t_{rr}	I_F=1.0A, di/dt=-30A/μs	-	-	35	ns
Thermal Resistance	(Note)	$R_{th(j-c)}$	Juction to Case	-	-	3.5	℃/W

Note : A value of one cell

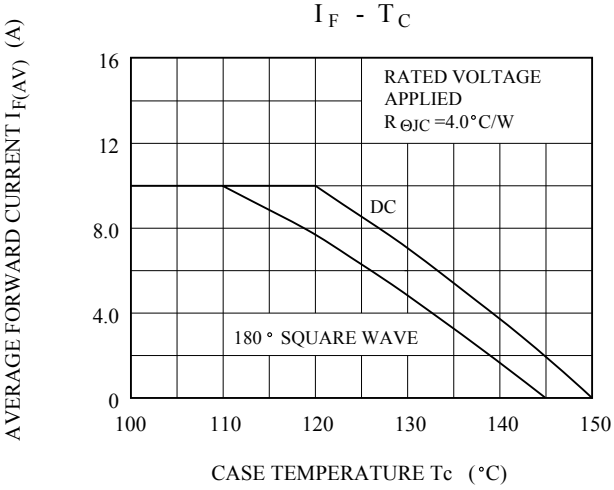
I_F - V_F



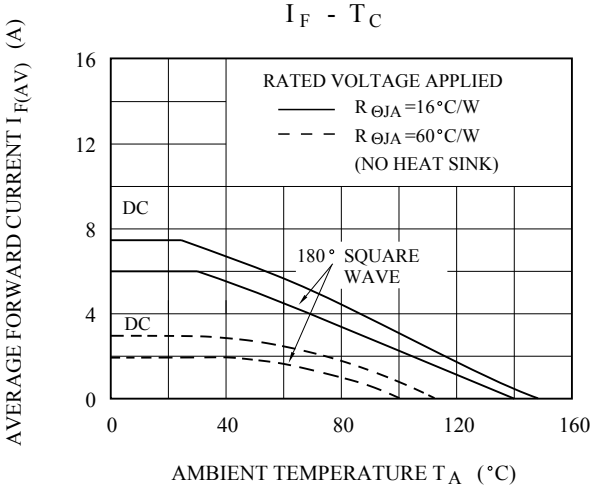
I_R - V_R



I_F - T_C



I_F - T_C



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

