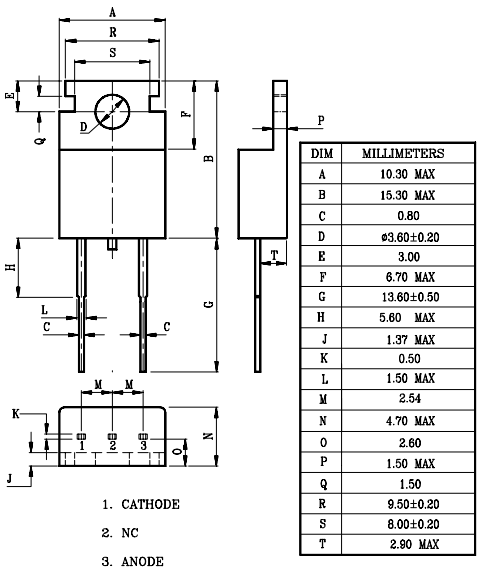
SWITCHING TYPE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
  : I_O=10A(Tc=135℃).
- Repetitive Peak Reverse Voltage
  : V_{RRM}=45V.
- Fast Reverse Recovery Time : t_{rr}=35nS.
- Low Peak Forward Voltage : 0.55V.(Typ.)



DIM	MILLIMETERS
A	10.30 MAX
B	15.30 MAX
C	0.80
D	φ3.60±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

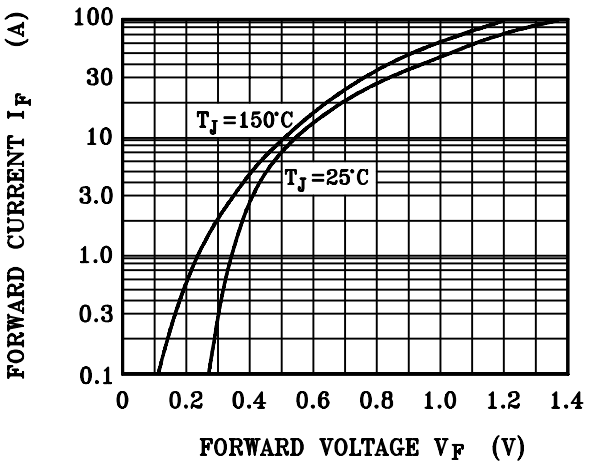
MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	45	V
Average Output Rectified Current (Tc=135℃)	I_O	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	150	A
Junction Temperature	T_j	-40~150	℃
Storage Temperature Range	T_{stg}	-55~150	℃

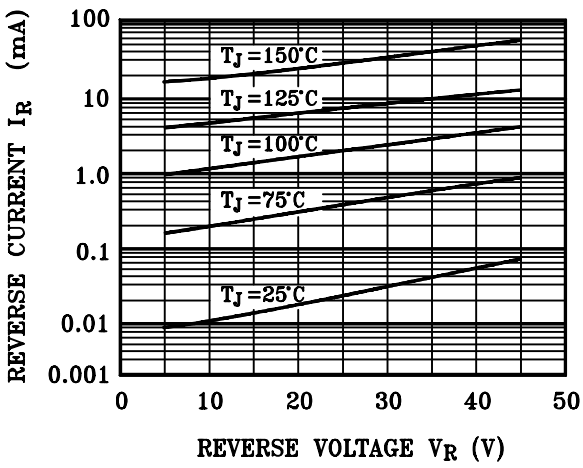
ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I_{FM}=10A, Tc=25℃	-	0.55	0.58	V
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM}=Rated	-	-	0.5	mA
Reverse Recovery Time	t_{rr}	I_F=1.0A, di/dt=-20A/μS	-	-	35	nS
Thermal Resistance	$R_{th(j-c)}$	Juction to Case	-	-	2.0	℃/W

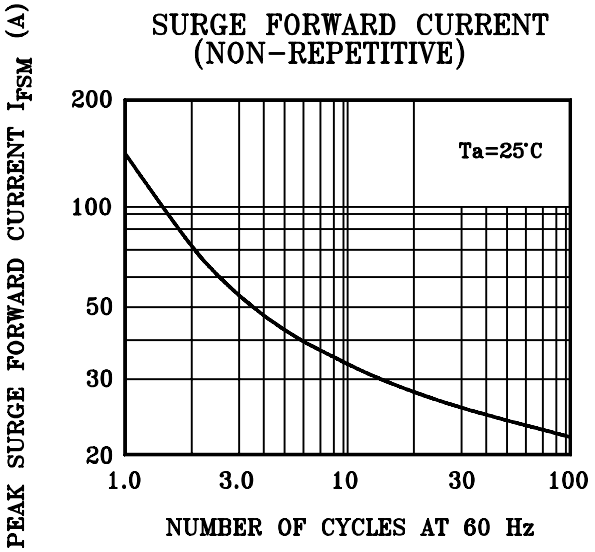
$I_F - V_F$



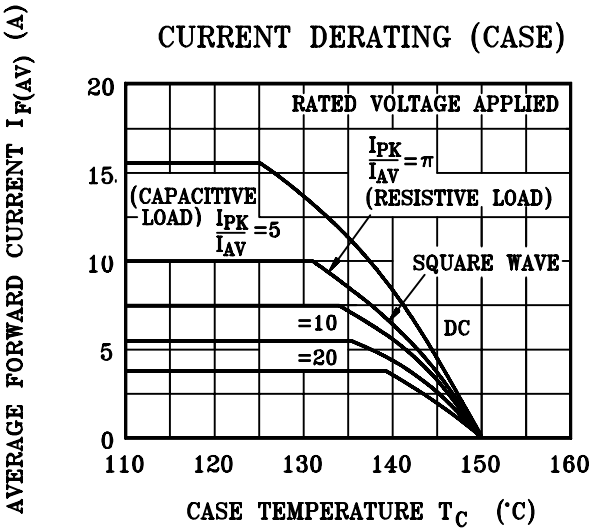
$I_R - V_R$



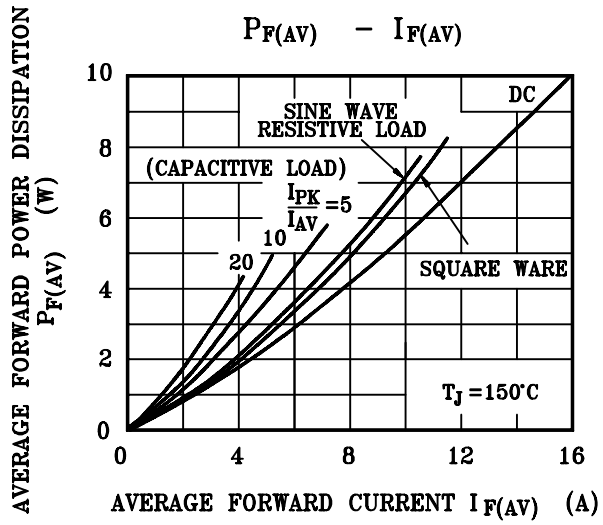
SURGE FORWARD CURRENT
(NON-REPETITIVE)



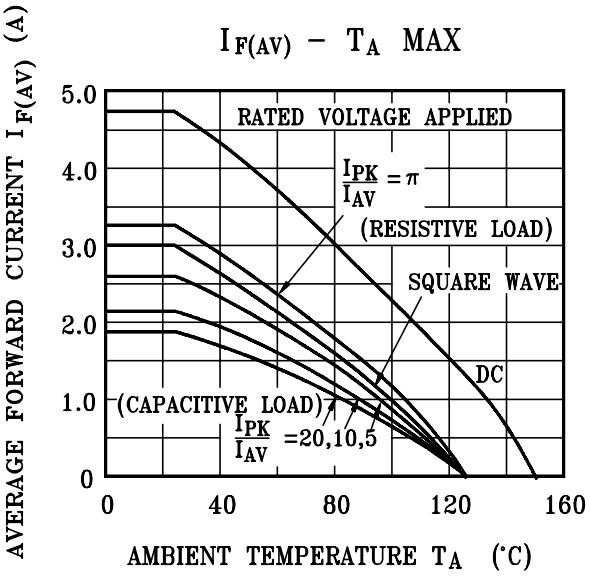
CURRENT DERATING (CASE)



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



$I_{F(AV)}$ - T_A MAX



C_J - V_R

