

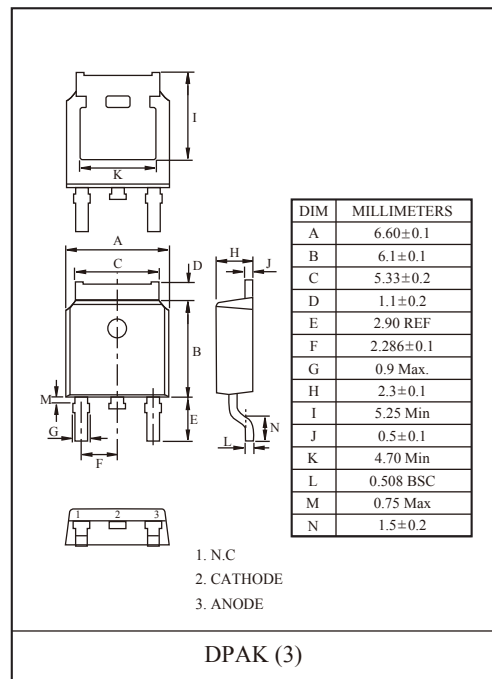
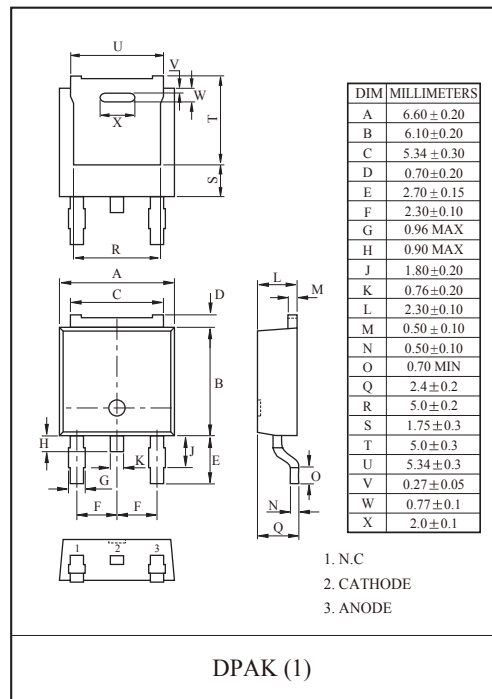
SWITCHING MODE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
: $I_O=10A$.
- Repetitive Peak Reverse Voltage
: $V_{RRM}=150V$.

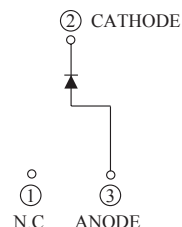
MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	150	V
Average Output Rectified Current (Tc=114℃)	I_O	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	150	A
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	-55 ~ 150	℃



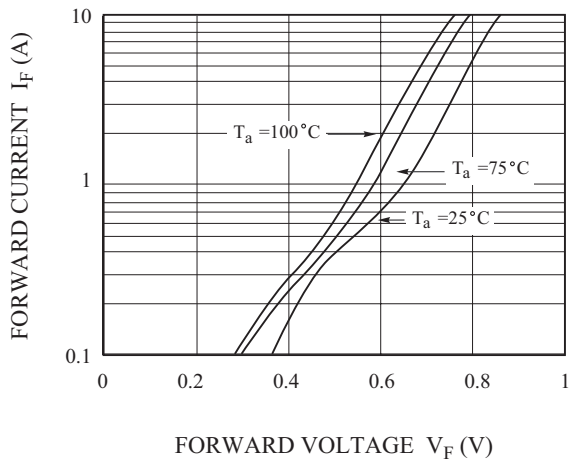
ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=10A$	-	-	0.9	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=150V$	-	-	100	μA
Thermal Resistance	$R_{th(j-c)}$	Juction to Case	-	-	5	℃/W

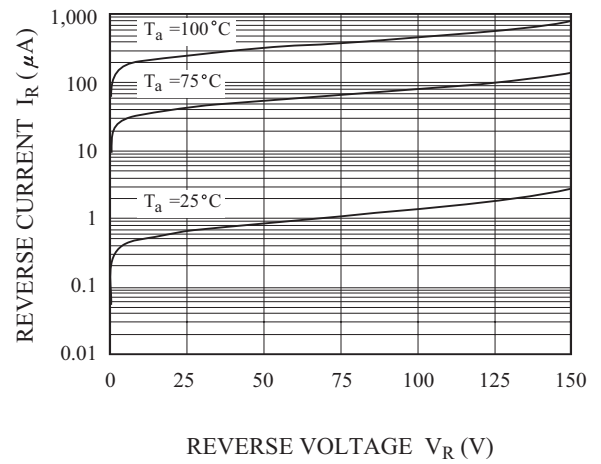


MBRD10U150

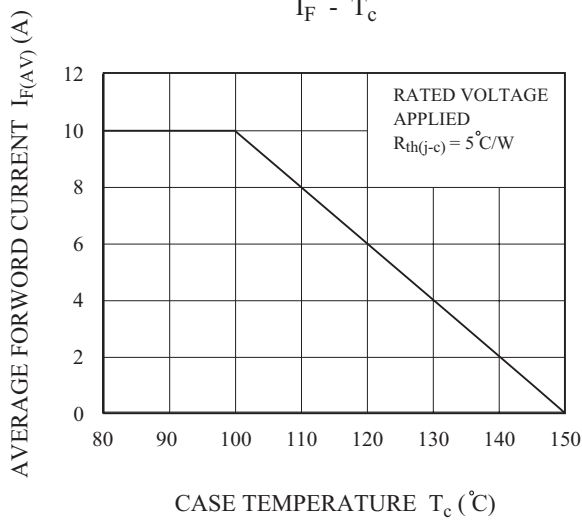
$I_F - V_F$



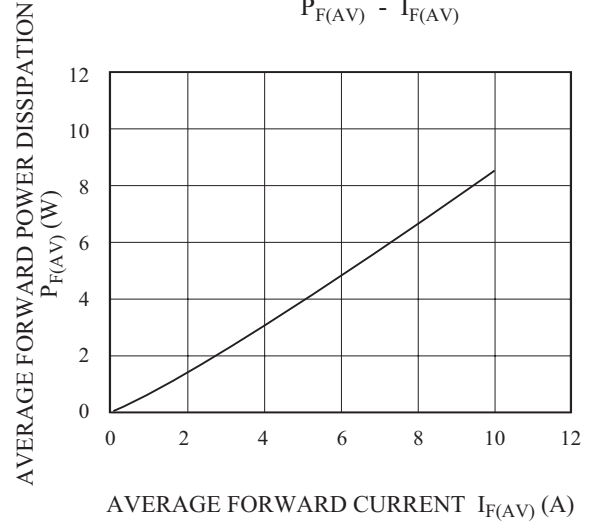
$I_R - V_R$



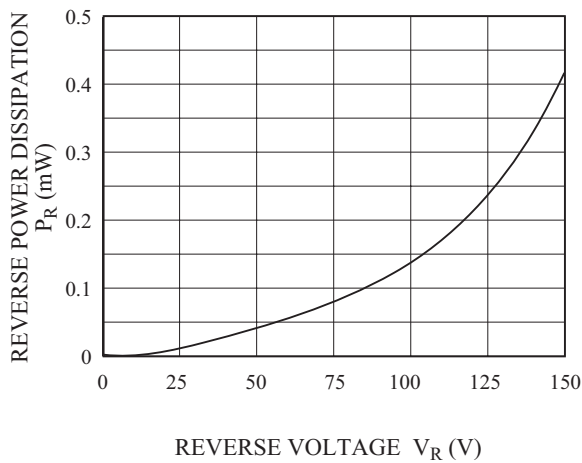
$I_F - T_c$



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



$P_R - V_R$



$R_{th(j-c)}$

