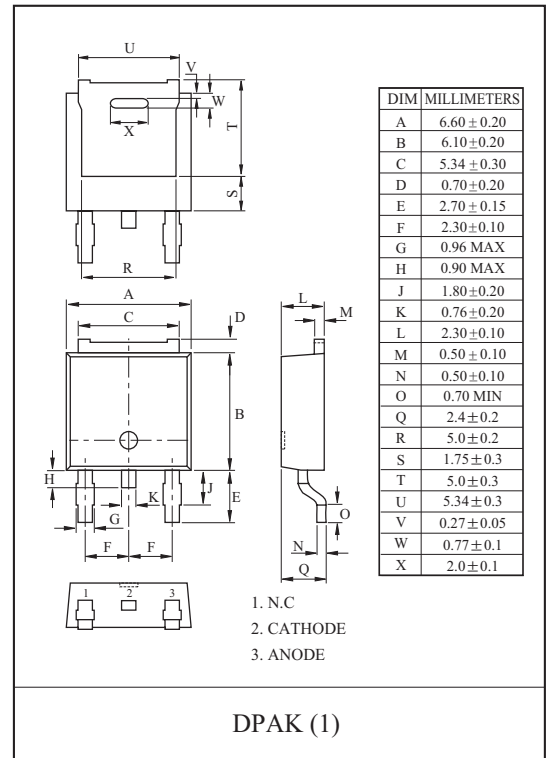


SWITCHING MODE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

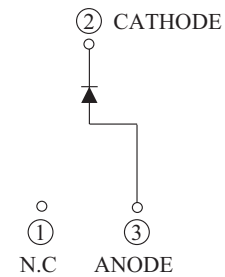
FEATURES

- Average Output Rectified Current
: $I_O=5A$.
- Repetitive Peak Reverse Voltage
: $V_{RRM}=150V$.
- Suffix **U** : Qualified to AEC-Q101.
ex) MBRD5U150-RTF/H**U**



MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	150	V
Average Output Rectified Current (Tc=114)	I_O	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	125	A
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	



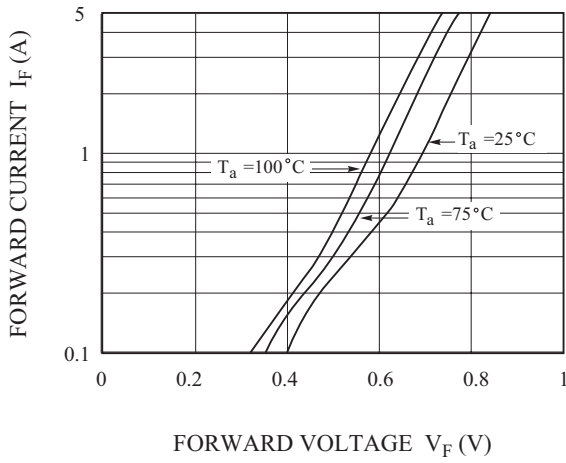
ELECTRICAL CHARACTERISTICS (Ta=25)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=5A$	-	-	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

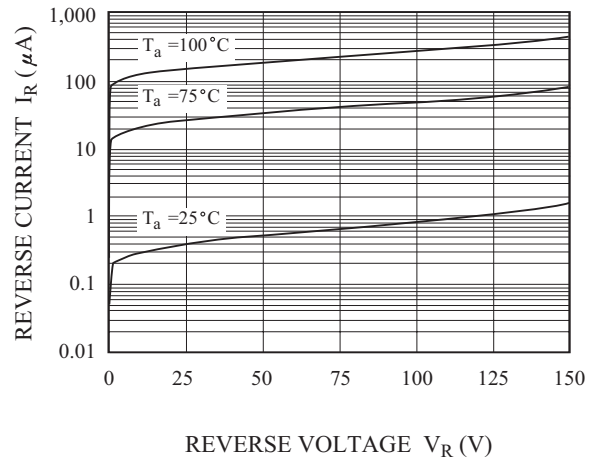
* 1 inch Square Copper Pad, FR-4 Board

MBRD5U150

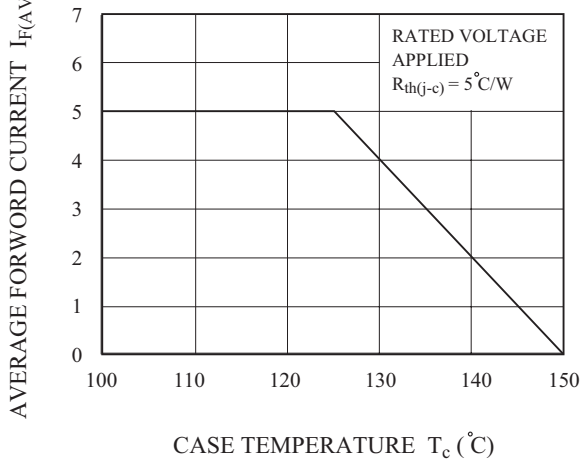
$I_F - V_F$



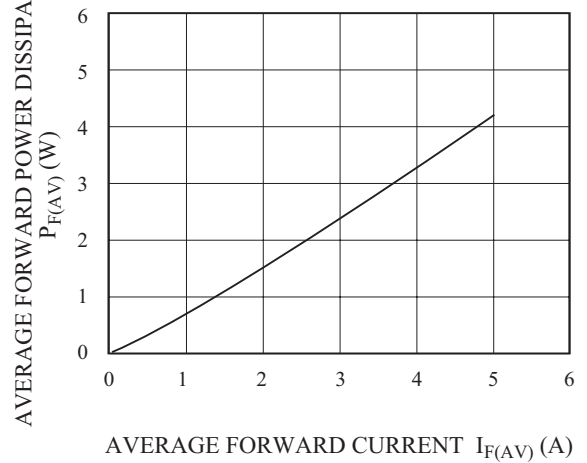
$I_R - V_R$



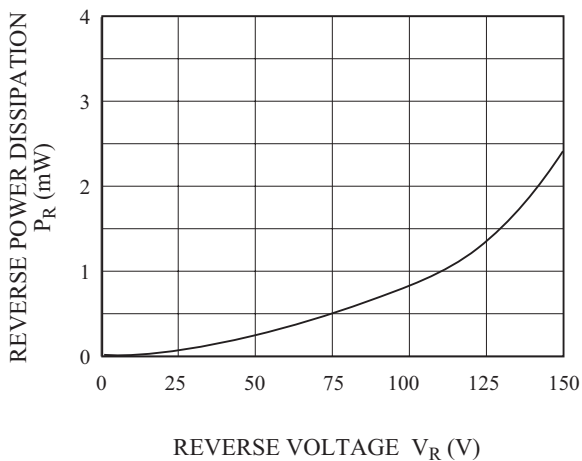
$I_F - T_c$



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



$P_R - V_R$



$R_{th(j-c)}$

