

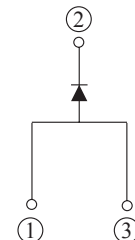
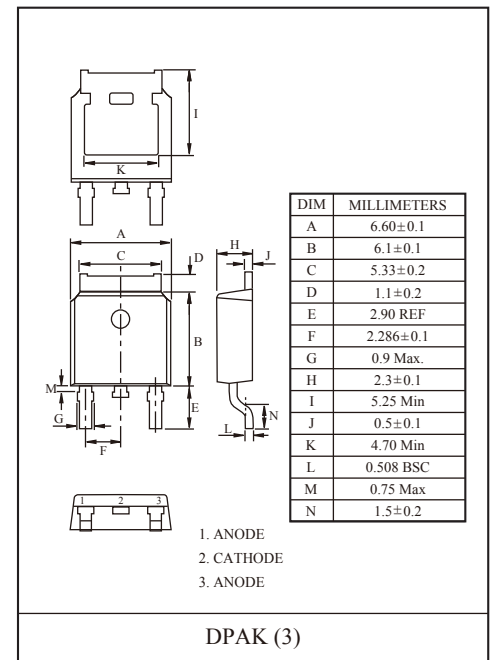
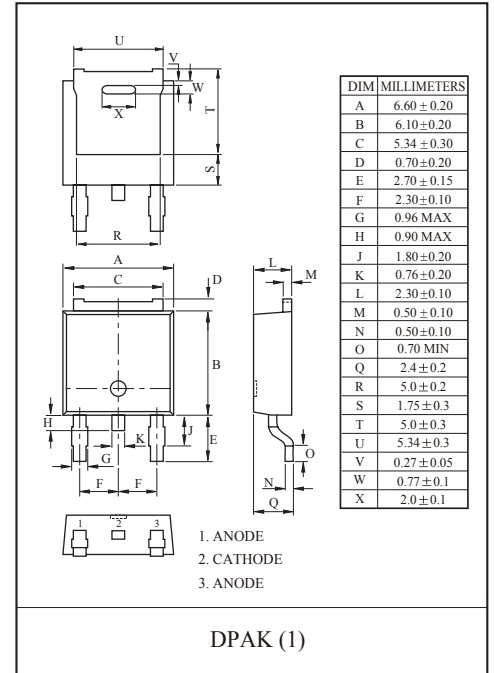
SWITCHING MODE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
: $I_O=5A$.
- Repetitive Peak Reverse Voltage
: $V_{RRM}=100V$.
- Suffix U : Qualified to AEC-Q101.
ex) MBRD5U100D-RTF/HU

MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Average Output Rectified Current (Tc=114°C)	I_O	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	90	A
Junction Temperature	T_j	-40 ~ 150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C

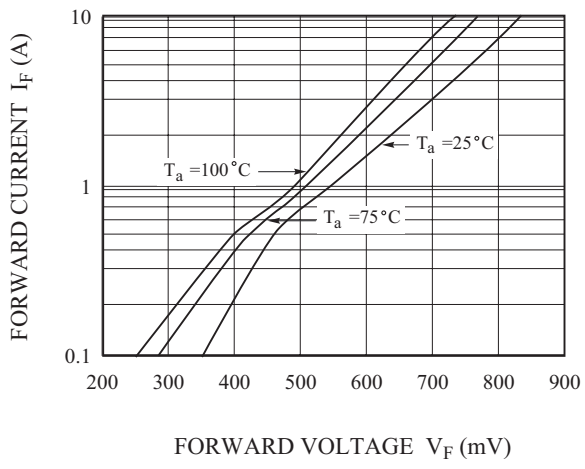


ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=5A$	-	-	0.8	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=100V$	-	-	50	μA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	5	°C/W

MBRD5U100D

$I_F - V_F$



$I_R - V_R$

