

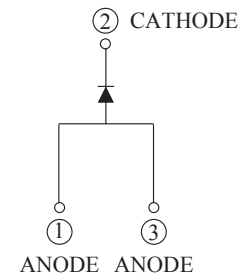
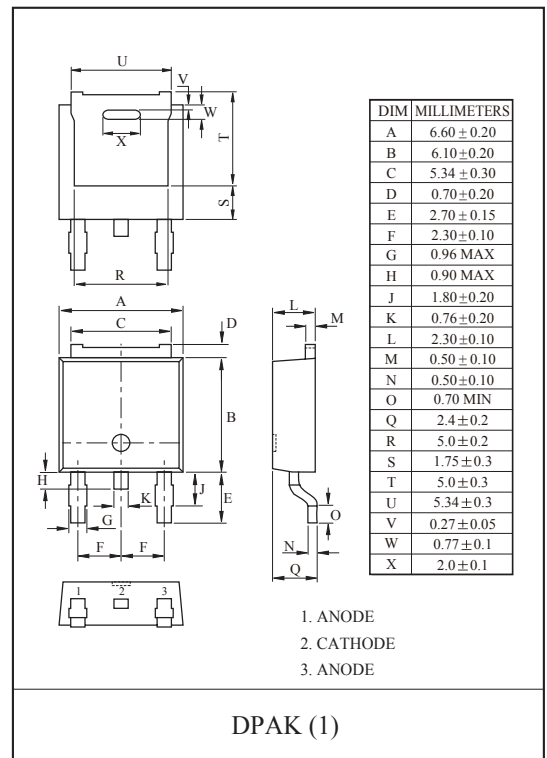
SWITCHING MODE POWER SUPPLY APPLICATION. CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
: $I_O=20A$
- Repetitive Peak Reverse Voltage
: $V_{RRM}=100V$
- Low Forward Voltage
- Low Reverse Current
- Molding Compound Flammability Rating : UL 94V-0
- Pb-Free, Halogen-Free, RoHs Compliant
- Suffix U : Qualified to AEC-Q101.
ex) TMBRD20100D-RTF/HU

MAXIMUM RATING ($T_a=25^{\circ}C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Average Output Rectified Current	I_O	20	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	150	A
Junction Temperature	T_j	-40 ~ 150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^{\circ}C$

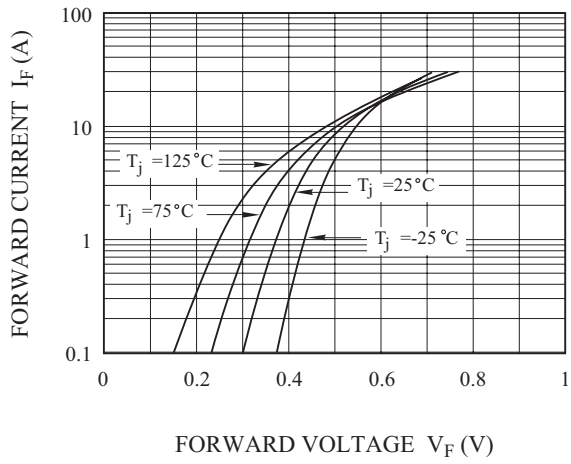


ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}C$)

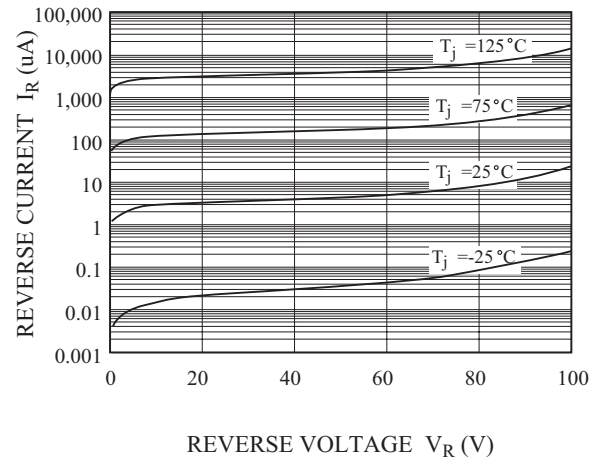
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_F	$I_F=5A$	-	0.42	-	V
		$I_F=10A$	-	0.54	-	
		$I_F=20A$	-	0.67	0.75	
Repetitive Peak Reverse Current	I_R	$V_R=100V$	-	20	200	μA
Junction Capacitance	C_J	$V_R=5V, f=1MHz$	-	1.0	-	nF
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	6	$^{\circ}C/W$

TMBRD20100D

$I_F - V_F$



$I_R - V_R$



$C_J - V_R$

