

SWITCHING TYPE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

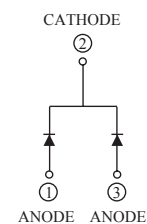
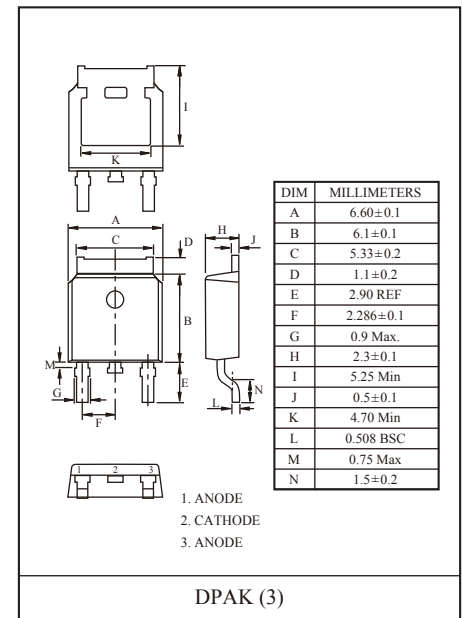
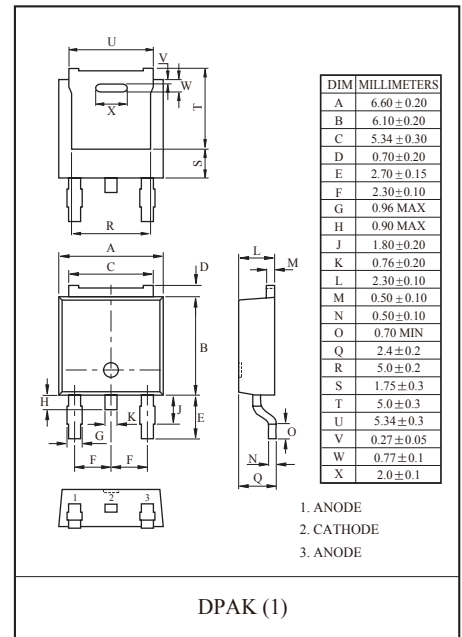
FEATURES

- Average Output Rectified Current
: $I_O=10A$.
- Repetitive Peak Reverse Voltage
: $V_{RRM}=100V$.
- Low Reverse Current.
- Molding compound flammability rating : UL 94V-0
- Pb-Free, Halogen-Free, RoHs Compliant
- Suffix U : Qualified to AEC-Q101.
ex) TMBRD10100CT-RTF/HU

MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Average Output Rectified Current (Tc=109℃) (Note)	I_O	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	100	A
Junction Temperature	T_j	-40 ~ 150	℃
Storage Temperature Range	T_{stg}	-55 ~ 150	℃

Note : average forward current of centertap full wave connection.



ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note)	V_F	$I_{FM}=1A, t_p=250\mu s$	-	0.41	-	V
		$I_{FM}=5A, t_p=250\mu s$	-	0.62	0.67	
Repetitive Peak Reverse Current (Note)	I_{RRM}	$V_{RRM}=100V$	-	10	100	μA
Thermal Resistance (Note)	$R_{th(j-c)}$	Junction to Case	-	-	6.0	℃/W
Total Capacitance (Note)	C_T	$V_{RRM}=0V, f=1MHz$	-	950	-	pF
Reverse Recovery Time (Note)	t_{rr}	$V_R=30V, I_F=1A, di/dt=-30A/\mu s$	-	35	-	ns

Note : A value of one cell

TMBRD10100CT

