

SWITCHING MODE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
: $I_O=30A$.
- Repetitive Peak Reverse Voltage
: $V_{RRM}=150V$.
- Low Forward Voltage.
- Low Reverse Current.
- Molding Compound Flammability Rating : UL 94V-0
- Pb-Free, Halogen-Free, RoHs Compliant

MAXIMUM RATING (Ta=25 °C)

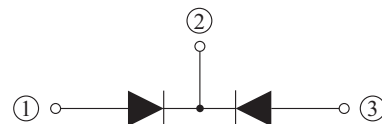
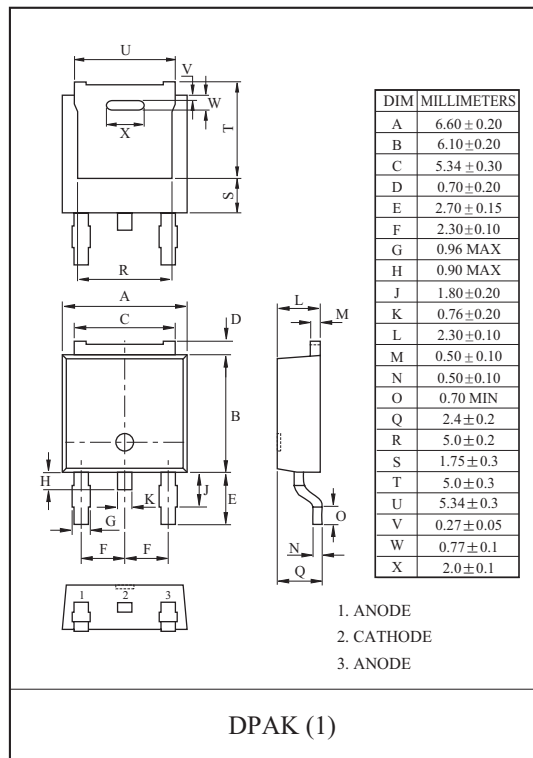
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	150	V
Average Output Rectified Current (Note)	I_O	30	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	150	A
Junction Temperature	T_j	-40 ~ 150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

Note : average forward current of centertap full wave connection.

ELECTRICAL CHARACTERISTICS (Ta=25 °C)

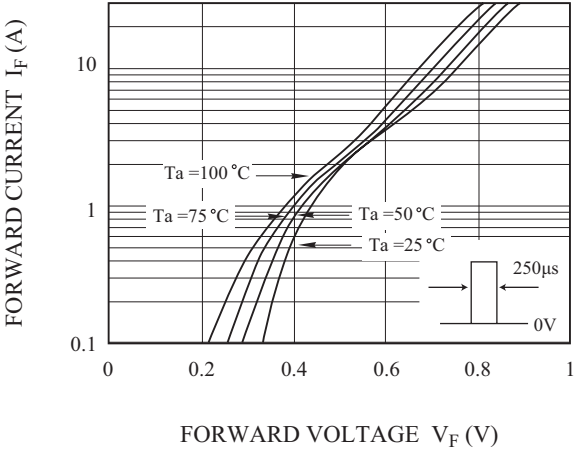
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note)	V_{FM}	$I_{FM}=1A$	-	0.43	-	V
		$I_{FM}=7.5A$	-	0.72	-	
		$I_{FM}=15A$	-	0.79	0.85	
Repetitive Peak Reverse Current (Note)	I_{RRM}	$V_{RRM}=150V$	-	5	100	μA
Thermal Resistance (Note)	$R_{th(j-c)}$	Juction to Case	-	-	6	/W

Note : A value of one cell

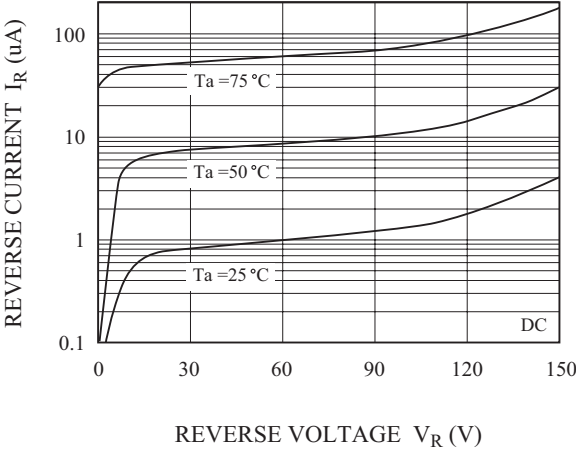


TMBRD30150CTA

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

