TOSHIBA 3000EXD22

TOSHIBA ALLOY-FREE RECTIFIER

3000EXD22

RECTIFIER APPLICATIONS

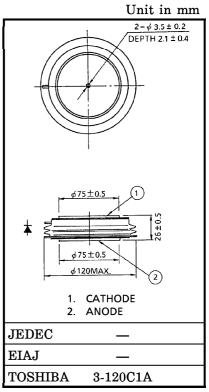
Repetitive Peak Reverse Voltage : $V_{RRM} = 2500V$

Average Forward Current $: I_{F(AV)} = 3000A$

Flat Package

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	v_{RRM}	2500	V	
Non-Repetitive Peak Reverse Voltage (Non-Repetitive ≤ 5 ms, $T_j = 0 \sim 150$ °C)	$v_{ m RSM}$	2750	V	
Average Forward Current	I _{F (AV)}	3000	Α	
Peak One Cycle Surge Forward	Ta	60k (50Hz)	A	
Current (Non-Repetitive)	I_{FSM}	66k (60Hz)		
Junction Temperature Range	Tj	-40~150	$^{\circ}\mathrm{C}$	
Storage Temperature Range	$T_{ m stg}$	-40~150	°C	
Screw Torque	_	37.3±7.8	kN	



Weight: 1300g

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	I_{RRM}	V _{RRM} =Rating voltage, T _j =150°C	_	120	mA
Peak Forward Voltage	$V_{ extbf{FM}}$	$I_{FM} = 9500A, T_j = 25^{\circ}C$	_	1.7	V
Thermal Resistance (Junction to Case)	R _{th (j-f)}	DC	_	0.012	°C/W

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