TOSHIBA 500HXD28

TOSHIBA ALLOY-FREE RECTIFIER

500HXD28

RECTIFIER APPLICATIONS

Repetitive Peak Reverse Voltage: $V_{RRM} = 5000V$

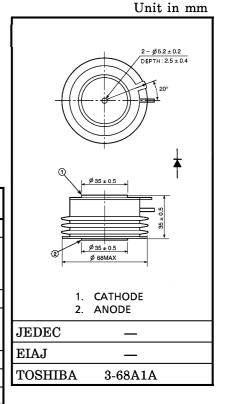
Average Forward Current $: I_{F(AV)} = 500A$

Weight : 465g

Flat Package

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	v_{RRM}	5000	V	
Non-Repetitive Peak Reverse Voltage (Non-Repetitive ≤ 5 ms, $T_j = 0 \sim 150$ °C)	V _{RSM}	5300	V	
Average Forward Current	I _{F (AV)}	500	A	
Peak One Cycle Surge Forward	${ m I}_{ m FSM}$	7200 (50Hz)	A	
Current (Non-Repetitive)	-1.2M	8000 (60Hz)	**	
Junction Temperature Range	T_{j}	-40~150	°C	
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~150	$^{\circ}\mathrm{C}$	
Screw Torque	_	14.7±1.5	kN	



ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	I_{RRM}	V _{RRM} =Rating voltage, T _j =150°C	_	40	mA
Peak Forward Voltage	$V_{ extbf{FM}}$	$I_{FM} = 1500A, T_j = 25^{\circ}C$	_	2.0	V
Thermal Resistance (Junction to Case)	$ m R_{th~(j-f)}$	DC	_	0.05	°C/W

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