

TOSHIBA

800EXD28,800FXD28

TOSHIBA ALLOY-FREE RECTIFIER

800EXD28, 800FXD28

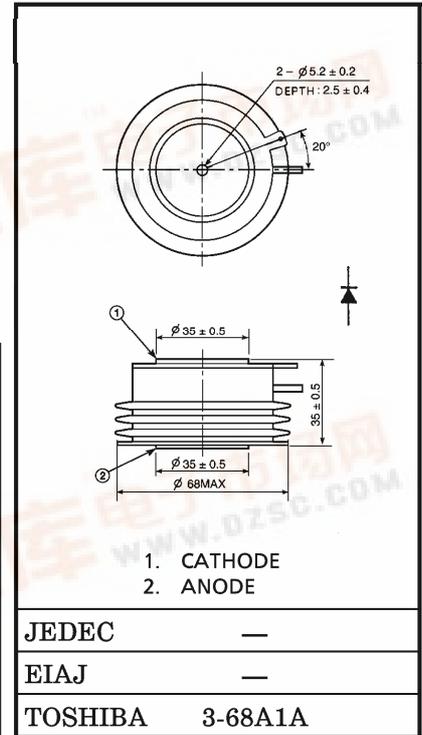
RECTIFIER APPLICATIONS

- Repetitive Peak Reverse Voltage : $V_{RRM}=2500\sim3000V$
- Average Forward Current : $I_F(AV)=800A$
- Weight : 470g
- Flat Package

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	800EXD28	V_{RRM}	2500	V
	800FXD28		3000	
Non-Repetitive Peak Reverse Voltage (Non-Repetitive $\leq 5ms, T_j=0\sim150^\circ C$)	800EXD28	V_{RSM}	2750	V
	800FXD28		3300	
Average Forward Current		$I_F(AV)$	800	A
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	12800 (50Hz)	A
			14000 (60Hz)	
Junction Temperature Range		T_j	-40~150	°C
Storage Temperature Range		T_{stg}	-40~150	°C
Screw Torque		—	14.7±1.5	kN

Unit in mm



ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM} =Rating voltage, $T_j=150^\circ C$	—	30	mA
Peak Forward Voltage	V_{FM}	$I_{FM}=2500A, T_j=25^\circ C$	—	1.55	V
Thermal Resistance (Junction to Case)	$R_{th(j-f)}$	DC	—	0.05	°C/W

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