TOSHIBA 1600GXD22

TOSHIBA ALLOY-FREE RECTIFIER

1600GXD22

RECTIFIER APPLICATIONS

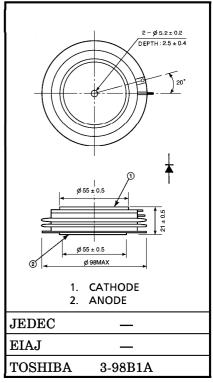
Repetitive Peak Reverse Voltage: V_{RRM} = 4000 V

 $: I_{F(AV)} = 1600 A$ Average Forward Current

Flat Package

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	v_{RRM}	4000	V	
$\label{eq:non-Repetitive Peak Reverse} \\ \mbox{Voltage (Non-Repetitive} \le 5 \mbox{ ms,} \\ \mbox{T}_j = 0{\sim}150 \mbox{°C)} \\ \end{aligned}$	v_{RSM}	4400	V	
Average Forward Current	I _F (AV)	1600	Α	
Peak One Cycle Surge Forward	$I_{ ext{FSM}}$	32 k (50 Hz)	A	
Current (Non-Repetitive)	1FSM	35 k (60 Hz)	^	
Junction Temperature Range	T_{j}	-40~150	°C	
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~150	°C	
Screw Torque	_	29.4±9.8	kN	



Unit in mm

Weight: 760 g

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	$I_{ m RRM}$	$V_{ m RRM} = { m Rating} { m voltage}, { m T_j} = 150 { m ^{\circ}C}$	_	120	mA
Peak Forward Voltage	V_{FM}	$I_{FM} = 5000 \text{ A}, T_j = 25^{\circ}\text{C}$	_	1.7	V
Thermal Resistance (Junction to Case)	$ m R_{th~(j-f)}$	DC	_	0.018	°C/W

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