TOSHIBA 5THZ52

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

5 T H Z 5 2

HORIZONTAL DEFLECTION OUTPUT FOR HIGH RESOLUTION DISPLAY, COLOR TV (DAMPER-diode)

Repetitive Peak Reverse Voltage: VRRM = 1500 V

Average Forward Current $: I_{F(AV)} = 5 A$

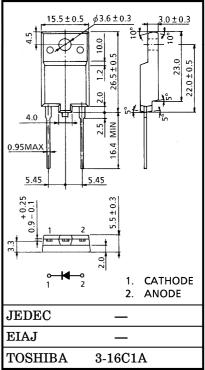
Reverse-Recovery Time : $t_{rr} = 1.5 \,\mu s$ (Max.)

High Reliability

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	1500	V	
Average Forward Current (Tc = 125°C)	I _{F (AV)}	5	A	
Peak One Cycle Surge Forward	Ingre	50 (50 Hz)	A	
Current (Non-Repetitive)	IFSM	60 (60 Hz)		
Junction Temperature	T_{j}	-40~150	°C	
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~150	$^{\circ}\mathrm{C}$	

Unit in mm

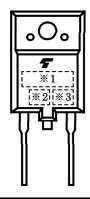


Weight: 5.5 g (Typ.)

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{ extbf{FM}}$	$I_{FM} = 5 A$	_	_	1.5	V
Repetitive Peak Reverse Current I _{RRM}		$V_{RRM} = 1500 V$	_	_	50	μ A
Reverse Recovery Time	t_{rr}	$I_{\rm F} = 0.1 {\rm A}, \ I_{ m DC} = 0.1 {\rm A}$	_	_	1.5	μs
Thermal Resistance	R _{th (j-c)}	DC	_	_	2.5	°C/W

MARKING



*	1	TYPE	$5\mathrm{THZ}52$		
*	2	Polarity Mark —			
**	3	Lot Number ——Month (Starting from Alphabet A) ——Year (Last Number of the Christian Era)			

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