Unit: mm

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

5GWJZ47

HIGH SPEED RECTIFIER APPLICATION

- Repetitive Peak Reverse Voltage $: V_{RRM} = 40V$
- Average Forward Current
- Low Forward Voltage
- : IF (AV) = 5A
- $V_{FM} = 0.55 V (Max.)$
- 10.3MAX Ø3.2±0.2 15.0±0.3 6MAX 13.0MIN 1.1 0.75±0.15 <u>2.54 ±</u> 0.25 2.54±0.25 1.7MAX 0.75±0.15 1. CATHODE <u>.</u>2 1 . 2. ANODE JEDEC JEITA TOSHIBA 3-10C3A

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	etitive Peak Reverse Voltage V _{RRM}		V	
Average Forward Current	I _{F (AV)}	5	А	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	50 (50Hz)	A	
		60 (60Hz)		
Junction Temperature	Тј	-40~125	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	

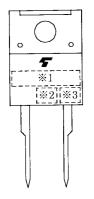
Weight: 2.0 g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 5A	_	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 40V	—	3.5	mA
Junction Capacitance	Cj	V _R = 10V, f = 1MHz	200	—	pF
Thermal Resistance (With Heat Sink)	R _{th (j−c)}	Junction to Case (Note 1)	—	4.0	°C/W

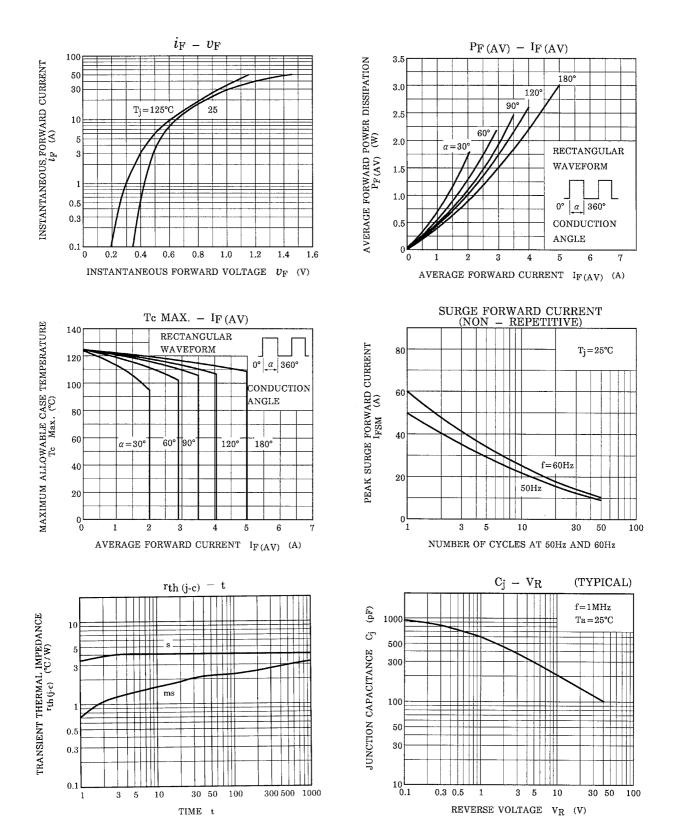
Note 1: Apply silicone greace to the contact surface between heat sink and case of rectifier.

MARKING



*1	TYPE	5GWJZ47	
*2	Polarity	*	
*3	Lot Number 		

TOSHIBA



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