TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

5GWJZ47

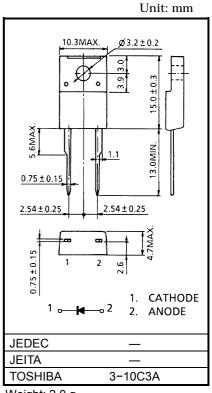
HIGH SPEED RECTIFIER APPLICATION

Repetitive Peak Reverse Voltage : $V_{RRM} = 40V$ Average Forward Current : IF (AV) = 5A

• Low Forward Voltage : V_{FM} = 0.55V (Max.)

MAXIMUM RATINGS (Ta = 25°C)

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



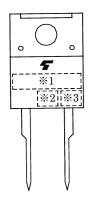
Weight: 2.0 g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

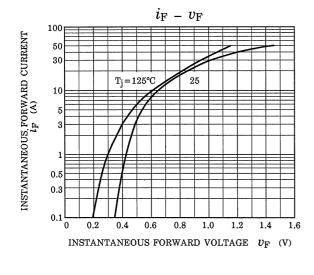
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 5A	_	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 40V	_	3.5	mA
Junction Capacitance	Cj	V _R = 10V, f = 1MHz	200	_	pF
Thermal Resistance (With Heat Sink)	R _{th (j-c)}	Junction to Case (Note 1)	_	4.0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

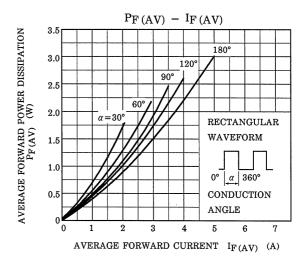
Note 1: Apply silicone greace to the contact surface between heat sink and case of rectifier.

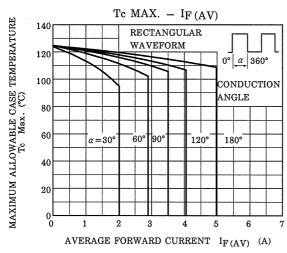
MARKING

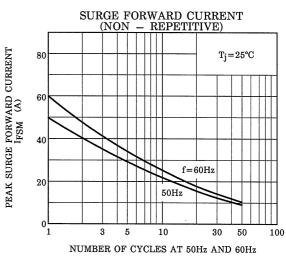


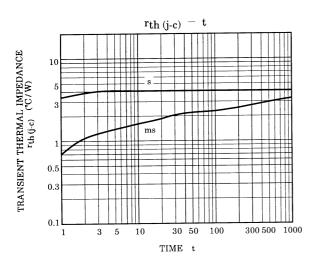
*1	TYPE	5GWJZ47
*2	Polarity	₩
*3	Lot Number Month (Starting from Alphabet	

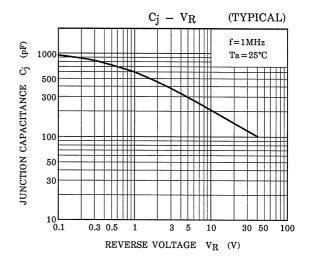












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