TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

2GWJ42

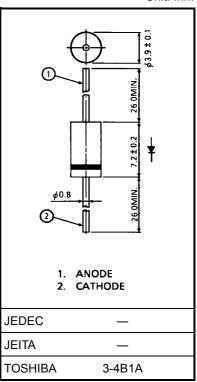
HIGH SPEED RECTIFIER APPLICATIONS

Unit: mm

• Average Forward Current : $I_{F (AV)} = 2.0 \text{ A (Ta} = 25^{\circ}\text{C)}$ • Low Forward Voltage : $V_{FM} = 0.55 \text{ V (MAX)}$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	40	V	
Average Forward Current (Ta = 25°C)	I _{F (AV)} 2.0		Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	100 (50Hz)	А	
		110 (60Hz)		
Junction Temparature	Tj	-40~125	°C	
Storage Temparature Range	T _{stg}	-40~125	°C	



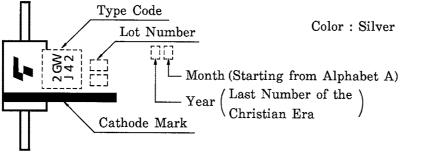
Weight: 0.47 g (typ.)

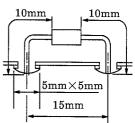
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

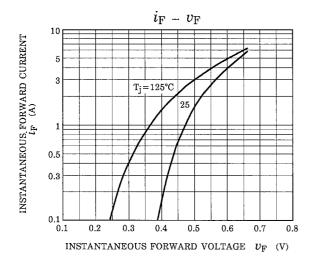
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 2.0A	_	_	0.55	V
Repetitive Peak ReverseCurrent	I _{RRM}	V _{RRM} = 40V	_	_	0.5	mA
Junction Capacitance	Cj	V _R = 10V, f = 1MHz	_	125	_	pF
Thermal Resistance (Note 1)	R _{th (j-a)}	Junction to Ambient	_	_	100	°C/W
Thermal Resistance (Note 1)	R _{th (j−l)}	Junction to Lead	_	_	30	°C/W

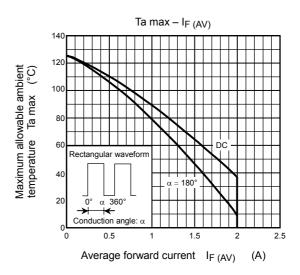
Note 1: THERMAL RESISTANCE

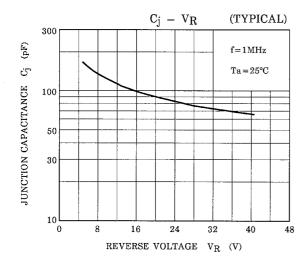
MARKING

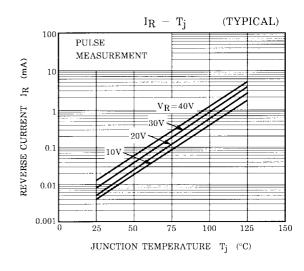


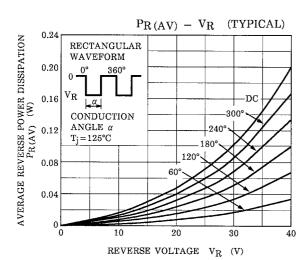












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