TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

3 G W J 4 2

HIGH SPEED RECTIFIER APPLICATIONS

Average Forward Current : IF(AV)=3.0A

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)	3.0	A	
Peak One Cycle Surge Forward	T	120 (50Hz)	A	
Current (Non-Repetitive)	I _{FSM}	132 (60Hz)		
Junction Temperature	T_{j}	-40~125	°C	
Storage Temperature Range	$T_{ m stg}$	-40~125	°C	

Unit in mm Ø 1.3 (2)1. ANODE 2. CATHOD **DO-201AD**

JEDEC EIAJ TOSHIBA 3-6E1A

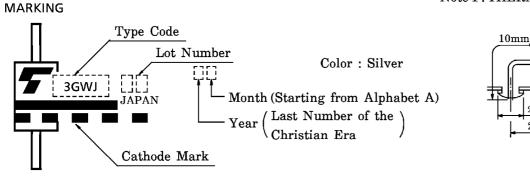
Weight: 1.18g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	v_{FM}	$I_{FM}=3.0A$	_	_	0.55	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 40V$		_	3.0	mA
Reverse Recovery Time	$\mathfrak{t}_{ extbf{rr}}$	$I_{\rm F} = 1.0 A$, di/dt = $-30 A/\mu s$	_	_	35	ns
Junction Capacitance	$\mathbf{C_{j}}$	$V_R = 10V$, $f = 1MHz$	_	132	_	рF
Thermal Resistance (Note 1)	$R_{ ext{th (j-a)}}$	Junction to Ambient	_	_	57	°C/W
Thermal Resistance (Note 1)	$\mathrm{R}_{\mathrm{th}(\mathrm{j-}\ell)}$	Junction to Lead	_	_	14	°C/W

Note 1: THERMAL RESISTANCE

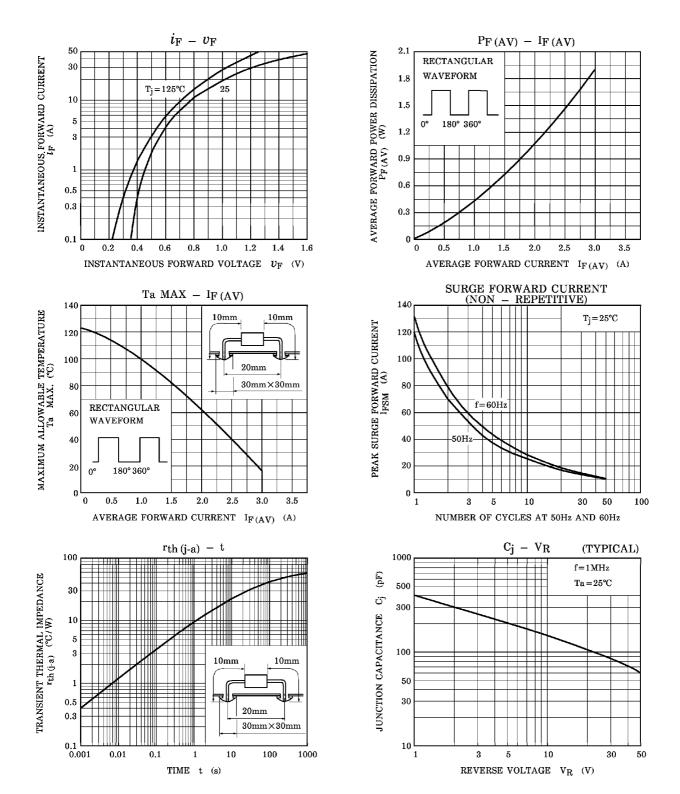
 $20\text{mm} \times 20\text{mm}$ 20mm



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10 mm

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