TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

# 0 G W J 2 C Z 4 7 C

SWITCHING TYPE POWER SUPPLY APPLICATION **CONVERTER & CHOPPER APPLICATION** 

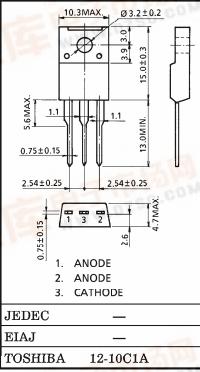
- Repetitive Peak Reverse Voltage : VRRM=40V
- Average Output Rectified Current: IO=10A
- Low Switching Losses and Output Noise. W.DZSC.COM

#### **MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	$v_{RRM}$	40	V	
Repetitive Peak Reverse Surge Voltage (Note 1)	$V_{RRSM}$	48	V	
Average Output Rectified Current	IO	10	A	
Peak One Cycle Surge Forward	T	100 (50Hz)	A	
Current (Sine Wave)	I <sub>FSM</sub>	110 (60Hz)		
Junction Temperature	$T_{j}$	-40~125	°C	
Storage Temperature Range	$ m T_{stg}$	<b>-40~150</b>	°C	
Screw Torque	.022	0.6	N⋅m	

(Note 1) Pulse Width  $(t_w) \le 500$ ns, duty  $(t_w/T) \le 1/25$ 

## Unit in mm



Weight: 2.0g

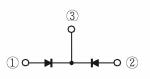
#### ELECTRICAL CHARACTERISTICS (Ta = 25°C)

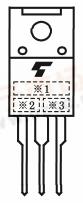
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 2)	$ m V_{FM}$	I <sub>FM</sub> =5A	_	_	0.55	V
Repetitive Peak Reverse Current (Note 2)	$I_{RRM}$	V <sub>RRM</sub> =Rated	_	_	3.5	mA
Junction Capacitance (Note 2)	$C_{j}$	$V_R$ =10V, f=1.0MHz	_	195	_	pF
Thermal Resistance	$ m R_{th~(j-c)}$	DC Total, Junction to Case	_		3.0	°C/W

(Note 2) A value of one cell.

#### **POLARITY**

### **MARKING**

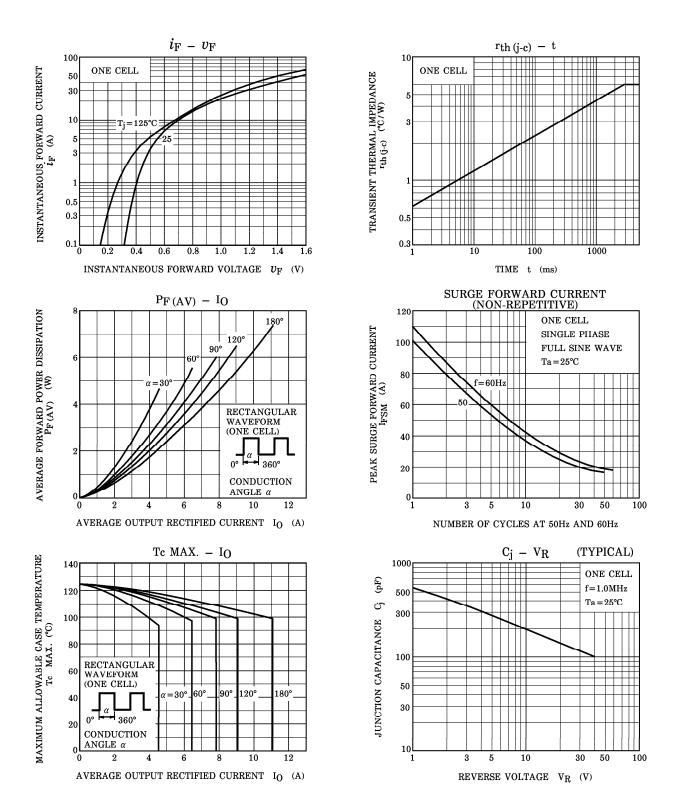




	<b>%1</b>	MARK	10GWJ2CZ	TYPE	10GWJ2CZ47C		
	<b>%2</b>	C					
1	<b>*3</b>	Lot Number  Month (Starting from Alphabet A)  Year (Last Number of the Christian Era)					

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