

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

30GWJ2C42C

SWITCHING TYPE POWER SUPPLY APPLICATION
CONVERTER & CHOPPER APPLICATION

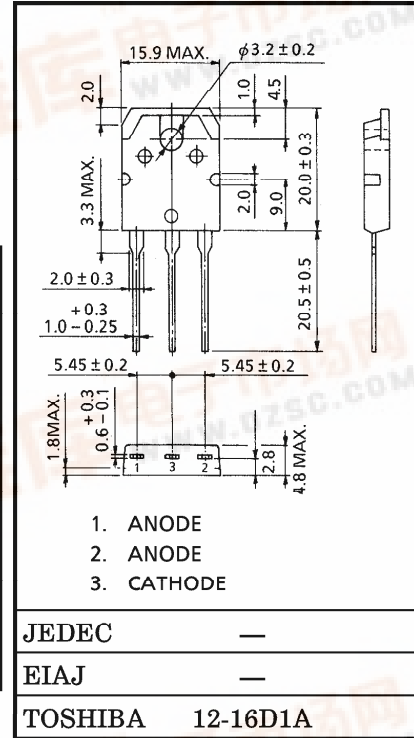
Unit in mm

- Repetitive Peak Reverse Voltage : $V_{RRM}=40V$
- Average Output Rectified Current : $I_O=30A$
- Low Switching Losses and Output Noise.

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	I_O	30	A
Peak One Cycle Surge Forward Current (Sine Wave)	I_{FSM}	300 (50Hz) 330 (60Hz)	A
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~150	°C
Screw Torque	—	0.8	N·m

Note 1 : Pulse Width (t_w) ≤ 500ns, duty (t_w / T) ≤ 1 / 25



Weight : 4.85g

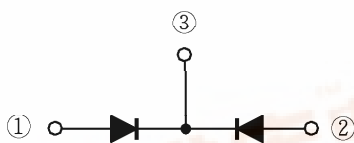
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 2)	V_{FM}	$I_{FM}=15A$	—	0.55	V
Repetitive Peak Reverse Current (Note 2)	I_{RRM}	$V_{RRM} = \text{Rated}$	—	15	mA
Junction Capacitance (Note 2)	C_j	$V_R=10V, f=1.0MHz$	600	—	pF
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	1.0	°C/W

Note 2 : A value of one cell.

POLARITY

MARKING



※1	MARK	30GWJ2C	TYPE	30GWJ2C42C
※2		C		
※3		Lot Number		
		Month (Starting from Alphabet A)		
		Year (Last Number of the Christian Era)		

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