

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

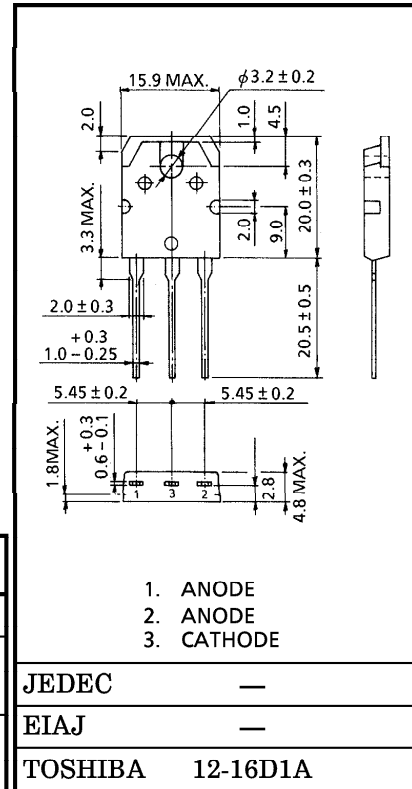
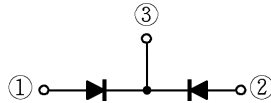
16GWJ2C42

Unit in mm

- SWITCHING TYPE POWER SUPPLY APPLICATION.
- CONVERTER & CHOPPER APPLICATION.

- Average Output Rectified Current : $I_O = 16A$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 40V$

POLARITY



MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Output Rectified Current (Tc=110°C)	I_O	16	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	160 (50Hz)	A
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~150	°C

Weight : 4.85g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 1)	V_{FM}	$I_{FM} = 8.0A$	—	0.55	V
Repetitive Peak Reverse Current (Note 1)	I_{RRM}	$V_{RRM} = 40V$	—	15	mA
Reverse Recovery time (Note 1)	t_{rr}	$I_F = 1.0A, di/dt = -50A/\mu s$	—	35	ns
Junction Capacitance (Note 1)	C_j	$V_R = 10V, f = 1.0MHz$	360	—	pF
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	1.2	°C/W

Note 1 : A value of one cell.

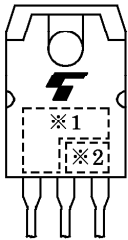
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MARKING



※1	TYPE	16GWJ2C42
※2	Lot number	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin-right: 5px;"></div> <div style="margin-right: 10px;">—</div> <div>Month (Starting from Alphabet A)</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin-right: 5px;"></div> <div style="margin-right: 10px;">—</div> <div>Year (Last Number of the) Christian Ere</div> </div>

