

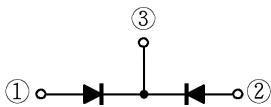
TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

16GWJ2C42

Unit in mm

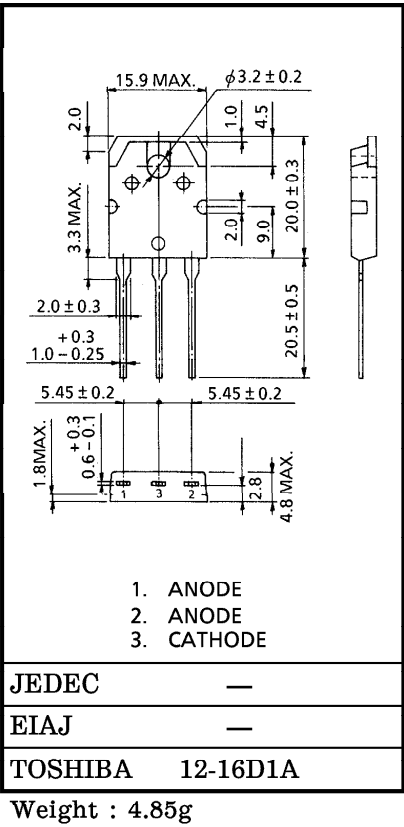
- SWITCHING TYPE POWER SUPPLY APPLICATION.
- CONVERTER & CHOPPER APPLICATION.
- Average Output Rectified Current : $I_O=16A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=40V$

POLARITY



MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Output Rectified Current ($T_c=110^{\circ}C$)	I_O	16	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	160 (50Hz)	A
Junction Temperature	T_j	$-40\sim125$	$^{\circ}C$
Storage Temperature Range	T_{stg}	$-40\sim150$	$^{\circ}C$



ELECTRICAL CHARACTERISTICS ($T_a = 25^{\circ}C$)

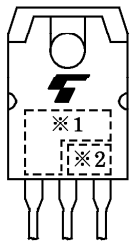
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 1)	V_{FM}	$I_{FM}=8.0A$	—	0.55	V
Repetitive Peak Reverse Current (Note 1)	I_{RRM}	$V_{RRM}=40V$	—	15	mA
Reverse Recovery time (Note 1)	t_{rr}	$I_F=1.0A$, $di/dt = -50A/\mu s$	—	35	ns
Junction Capacitance (Note 1)	C_j	$V_R=10V$,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

Note 1 : A value of one cell.

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MARKING



※1	TYPE	16GWJ2C42
※2	Lot number □ □ — Month (Starting from Alphabet A) — Year (Last Number of the Christian Ere)	

