TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

# 20JL2C41A

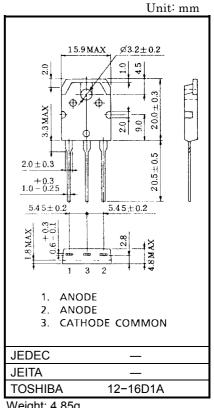
## SWITCHING MODE POWER SUPPLY APPLICATIONS **CONVERTER & CHOPPER APPLICATION**

• Repetitive Peak Reverse Voltage  $V_{RRM} = 600V$ • Average Output Rectified Current : Io = 20A • Ultra Fast Reverse-Recovery Time : trr = 35ns (Max)

• Low Switching Losses and Output Noise.

### MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	$V_{RRM}$	600	V	
Average Output Rectified Current	Io	20	Α	
Peak One Cycle Surge Forward	I <sub>FSM</sub>	80 (50Hz)	A	
Current (Sine Wave)		88 (60Hz)		
Junction Temparature	Tj	-40~150	°C	
Storage Temparature Range	T <sub>stg</sub>	-40~150	°C	
Screw Torque	_	0.8	N·m	



Weight: 4.85g

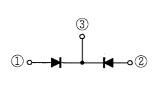
#### **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

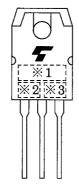
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> = 10A	_	3.2	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = 600V	_	100	μA
Reverse Recovery time	t <sub>rr</sub>	I <sub>F</sub> = 2A, di / dt = - 50A / μs	_	35	ns
Forward Recovery time t <sub>fr</sub>		I <sub>F</sub> = 1A	_	100	ns
Thermal Resistance	R <sub>th (j-c)</sub>	DC Total, Junction to Case	_	1.5	°C/W

Note 1: V<sub>FM</sub>, I<sub>RRM</sub>, t<sub>rr</sub>, t<sub>fr</sub> ··· A value of one cell.

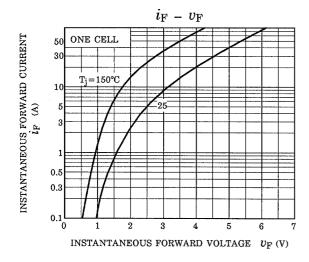
#### **POLARITY**

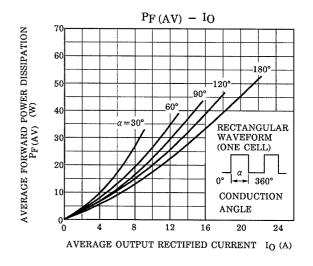
#### **MARKING**

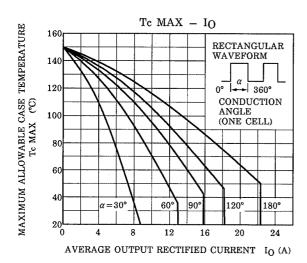


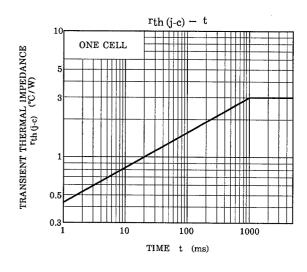


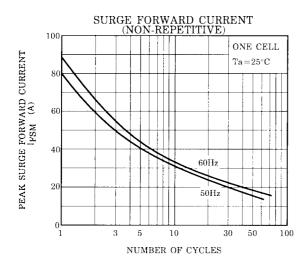
* 1	MARK	20JL2C	
* 2	A		
* 3	Lot Number		

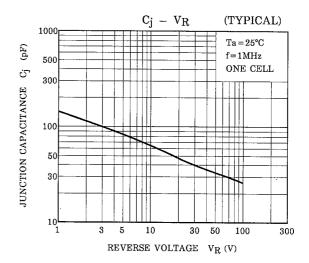












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