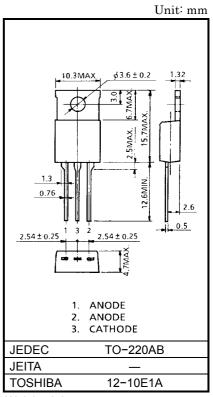
TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

# 10DL2C41A

# SWITCHING MODE POWER SUPPLY APPLICATIONS CONVERTER & CHOPPER APPLICATION

## MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	$V_{RRM}$	200	٧	
Average Output Rectified Current (Tc = 116°C)	I <sub>O</sub>	10	Α	
Peak One Cycle Surge Forward Current (Non Repetitive)	I <sub>FSM</sub>	50 (50Hz)	Α	
Junction Temparature	Tj	-40~150	°C	
Storage Temparature Range	T <sub>stg</sub>	−40~150 °C		
Screw Torque	_	0.6	N·m	



Weight: 2.0g

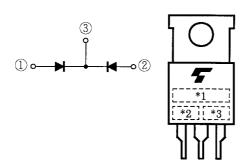
# **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

CHARACTERIST	IC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage	(Note 1)	$V_{FM}$	I <sub>FM</sub> = 5A	_	0.98	V
Repetitive Peak Reverse C	urrent (Note 1)	I <sub>RRM</sub>	V <sub>RRM</sub> = 200V	_	10	μΑ
Reverse Recovery time	(Note 1)	t <sub>rr</sub>	I <sub>F</sub> = 2A, di / dt = -20A / μs	_	35	ns
Forward Recovery time	(Note 1)	t <sub>fr</sub>	I <sub>F</sub> = 1.0A	_	100	ns
Thermal Resistance		R <sub>th (j-c)</sub>	DC Total, Junction to Case	_	3.0	°C/W

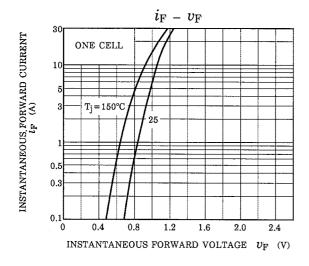
Note 1: A value of one cell.

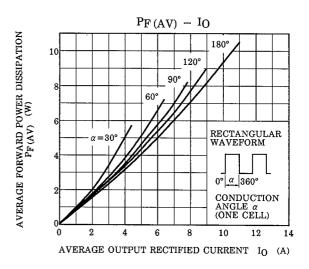
### **POLARITY**

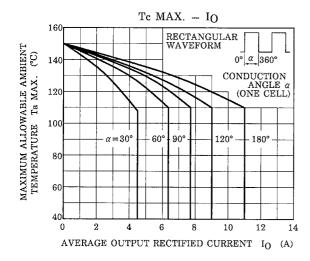
#### **MARKING**

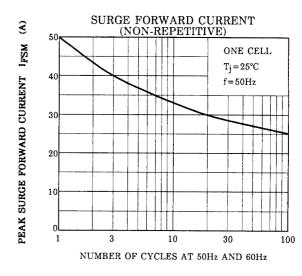


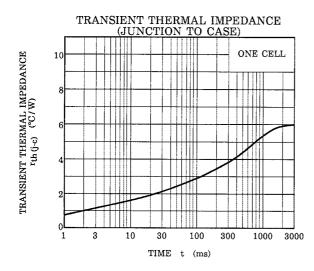
* 1	MARK	10DL2C	
* 2	Α		
* 3	Lot Number  Month (Starting from Alphabet A)  Year (Last Number of the Christian Era)		

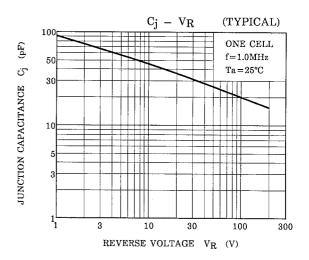












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