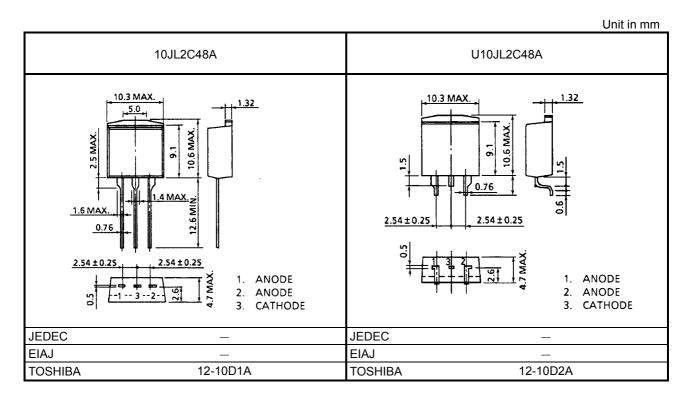
TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

# 10JL2C48A,U10JL2C48A

SWITCHING MODE POWER SUPPLY APPLICATION CONVERTER & CHOPPER APPLICATION

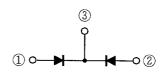
- Repetitive Peak Reverse Voltage : V<sub>RRM</sub> = 600V
- Average Output Rectified Current : IO = 10A
- Ultra Fast Reverse-Recovery Time  $: t_{rr} = 35ns$  (Max.)
- Low Switching Losses and Output Noise.



## MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	VRRM	600	V
Average Output Rectified Current	IO	10	А
Peak One Cycle Surge Forward Current (Non-Repetitive, Sine Wave)	IFSM	40	А
Junction Temparature	Тј	-40~150	°C
Storage Temparature Range	T <sub>stg</sub>	-40~150	°C

#### POLARITY

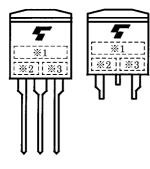


# ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	(Note)	VFM	I <sub>FM</sub> = 5A	_	_	4.0	V
Repetitive Peak Reverse Current	(Note)	IRRM	VRRM = 600V		_	50	μΑ
Reverse Recovery Time	(Note)	t <sub>rr</sub>	IF = 2A, di / dt = –20A / μs	_	_	35	ns
Junction Capacitance		Cj	V <sub>R</sub> = 10V, f = 1.0MHz	_	36	—	pF
Thermal Resistance		R <sub>th (j−c)</sub>	DC Total	_	—	2.5	°C/W

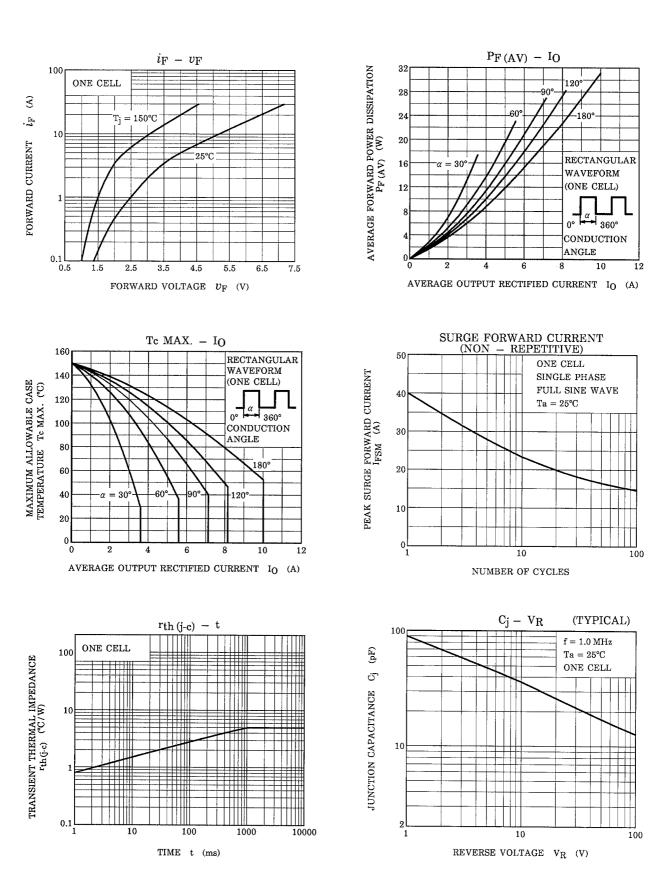
Note : A value of one cell.

# MARKING



* 1	MARK	10JL2C	TYPE	10JL2C48A, U10JL2C48A			
* 2	А						
* 3	Lot Number D Month (Starting from Alphabet A) Vear (Last Number of the Christian Era)						

# TOSHIBA



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