TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

20DL2C48A,U20DL2C48A,20FL2C48A,U20FL2C48A

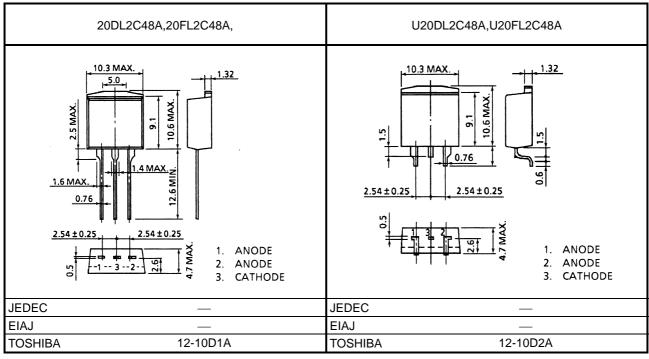
SWITCHING MODE POWER SUPPLY APPLICATION **CONVERTER & CHOPPER APPLICATION**

Repetitive Peak Reverse Voltage : V_{RRM}=200, 300V

Average Output Rectified Current $: I_{O} = 20A$ Ultra Fast Reverse-Recovery Time : trr=35ns Max.

Low Switching Losses and Output Noise.

Unit in mm



The information contained herein is subject to change without notice.

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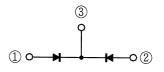
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MAXIMUM RATINGS

CHARACTE	RISTIC	SYMBOL	RATING	UNIT	
	20DL2C48A		200	V	
Repetitive Peak Reverse Voltage	U20DL2C48A	VRRM	200		
	20FL2C48A	VRRIVI	300	V	
	U20FL2C48A		300		
Average Output Rectified Current		IO	20	Α	
Peak One Cycle Surge Forward Current		IFOM	100 (50Hz)	А	
		IFSM	110 (60Hz)		
Junction Temparature		Тj	-40~150	°C	
Storage Temparature	Range	T _{stg}	-40~150	°C	

POLARITY

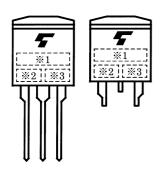


ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	20DL2C48A U20DL2C48A	\/==	Jen 4-10A	_	_	0.98	V
	20FL2C48A U20FL2C48A	VFM	IFM=10A	_	_	1.3	V
Repetitive Peak Reverse Current		IRRM	V _{RRM} =Rated	_	_	50	μА
Reverse Recovery Time		t _{rr}	I _F =2A, di / dt=-50A / μs	_	_	35	ns
Forward Recovery Time		tfr	IF=1A	_	_	100	ns
Thermal Resistance		Rth (j-c)	DC Total	_	_	1.6	°C/W

V_{FM}, I_{RRM}, t_{rr}, t_{fr} : A Value of one cell.

MARKING



* 1	MARK	20DL2C	TYPE	20DL2C48A, U20DL2C48A		
		20FL2C	ITPE	20FL2C48A, U20FL2C48A		
* 2	Α					
*3	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Cristian Era)					

