

10(D,F)L2C48A U10(D,F)2C48A

- SWITCHING TYPE POWER SUPPLY APPLICATION.
- CONVERTER & CHOPPER APPLICATION.
- Repetitive Peak Reverse Voltage : $V_{RRM}=200, 300V$
- Average Output Rectified Current : $I_O=10A$
- Ultra Fast Reverse-Recovery Time : $t_{rr}=35ns$ Max.
- Low Switching Losses and Output Noise.

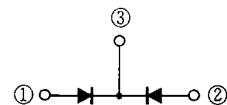
Unit in mm

10DL2C48A, 10FL2C48A	U10DL2C48A, U10FL2C48A
JEDEC —	JEDEC —
EIAJ —	EIAJ —
TOSHIBA 12-10D1A	TOSHIBA 12-10D2A

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	10DL2C48A	V _{RRM}	200	V
	U10DL2C48A			
	10FL2C48A		300	
	U10FL2C48A			
Average Output Rectified Current		I _O	10	A
Peak One Cycle Surge Forward Current		I _{FSM}	50 (50Hz)	A
			55 (60Hz)	
Junction Temperature		T _j	−40~150	°C
Storage Temperature Range		T _{stg}	−40~150	°C

POLARITY



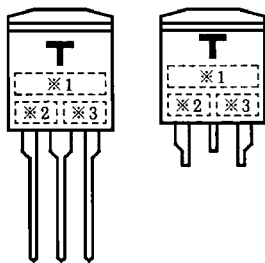
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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	10DL2C48A	V _{FM}	I _{FM} =5A	—	0.98	V
	U10DL2C48A					
	10FL2C48A			—	1.3	
	U10FL2C48A					
Repetitive Peak Reverse Current		I _{RRM}	V _{RRM} =Rated	—	10	μA
Reverse Recovery Time		t _{rr}	I _F =2A, di / dt = −20A / μs	—	35	ns
Forward Recovery Time		t _{fr}	I _F =1A	—	100	ns
Thermal Resistance		R _{th(j-c)}	DC Total, Junction to Case	—	2.5	°C / W

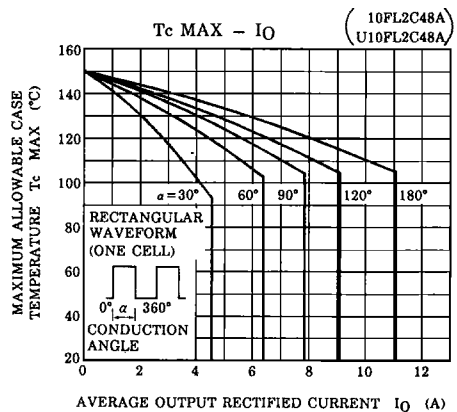
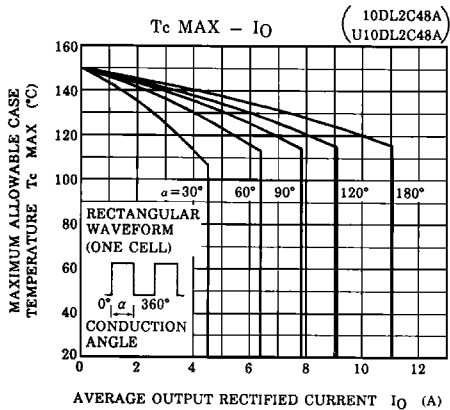
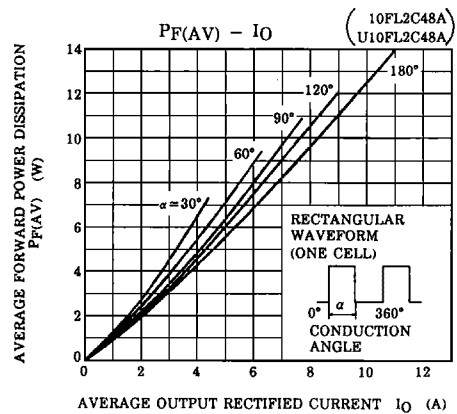
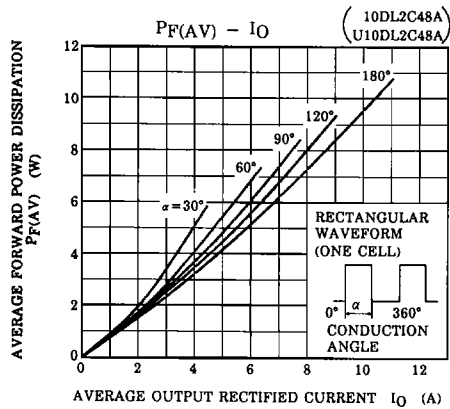
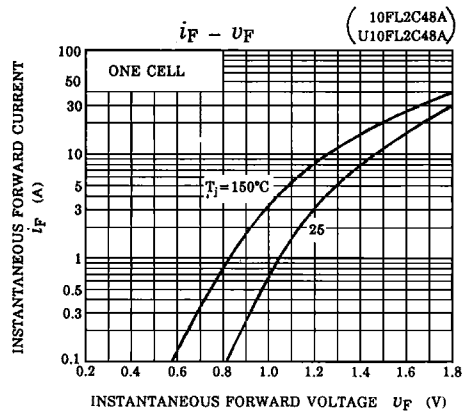
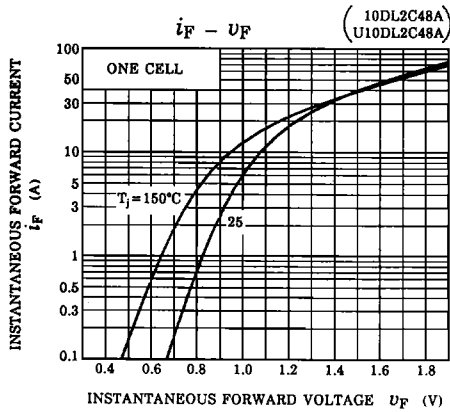
V_{FM}, I_{RRM}, t_{rr}, t_{fr} : A Value of one cell.

MARKING



※ 1	MARK	10DL2C	TYPE	10DL2C48A, U10DL2C48A
		10FL2C		10FL2C48A, U10FL2C48A
※ 2	A			
※ 3	Lot Number			
	□□—Month (Starting form Alphabet A) └—Year (Last Number of the Cristian Era)			

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