TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

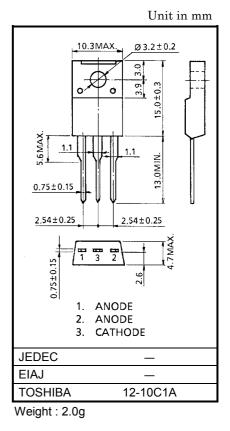
10DL2CZ47A,10FL2CZ47A,10GL2CZ47A

SWITCHING MODE POWER SUPPLY APPLICATIONS CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : VRRM=200, 300, 400V
- Average Output Rectified Current : IO=10A
- Ultra Fast Reverse-Recovery Time : trr=35ns (Max.)
- Low Switching Losses and Output Noise.

MAXIMUM RATINGS (Ta = 25°C)

CHARACT	ERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	10DL2CZ47A		200		
	10FL2CZ47A	V _{RRM}	300	V	
	10GL2CZ47A		400		
Average Output Rectified Current		Ι _Ο	10	А	
Peak One Cycle Su	rge Forward	1	50 (50H _Z)	А	
Current (Sine Wave)		IFSM	55 (60H _Z)	~	
Junction Temperature		Тj	-40~150	°C	
Storage Temperature Range		T _{stg}	-40~150	°C	
Screw Torque		—	0.6	N∙m	



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 1)	10DL2CZ47A			_	_	0.98	v
	10FL2CZ47A	V _{FM}	I _{FM} =5A	_	_	1.3	
	10GL2CZ47A			_	_	1.8	
Repetitive Peak Reverse Current (Note 1)	10DL2CZ47A	I _{RRM}	V _{RRM} =Rated	-	-	10	μΑ
	10FL2CZ47A			_	_	10	
	10GL2CZ47A			_	_	50	
Reverse Recovery Time (Note 1)		t _{rr}	I _F =2A, di / dt=−20A / μs	_	_	_	ns
Forward Recovery Time (Note 1)		t _{fr}	I _F =1A	-	-	_	ns
Thermal Resistance		R _{th (j-c)}	DC Total, Junction to Case	_	_	_	°C/W

Note 1 : A value of one cell.

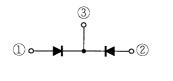
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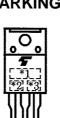


10DL2CZ47A,10FL2CZ47A,10GL2CZ47A

POLARITY

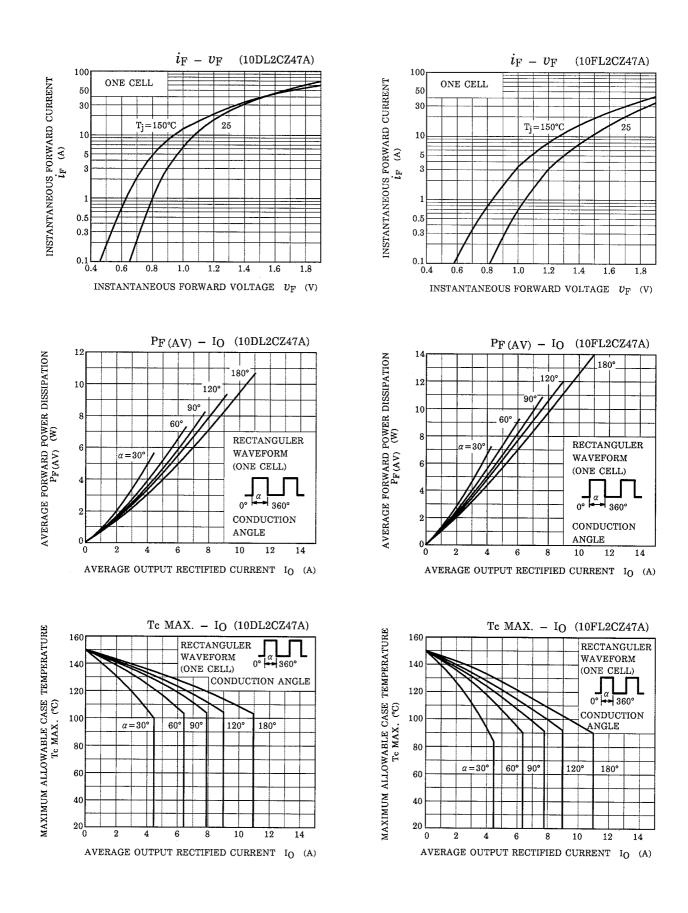
MARKING



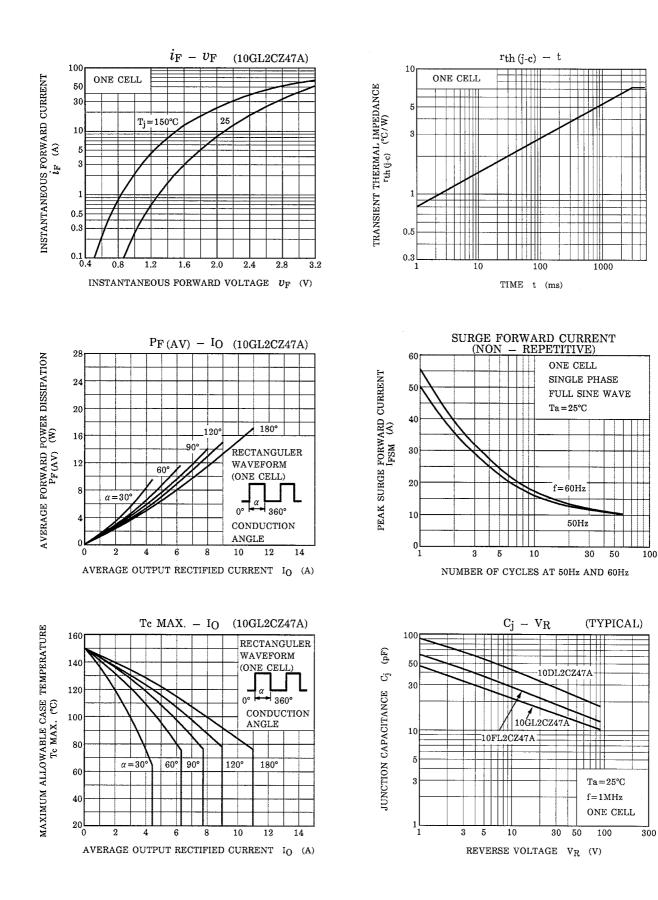


* 1	MARK	10DL2CZ		10DL2CZ47A			
		10FL2CZ	TYPE	10FL2CZ47A			
		10GL2CZ		10GL2CZ47A			
* 2	А						
* 3	Lot Number — Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)						

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