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

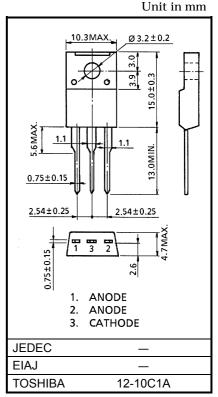
● Average Output Rectified Current : IO=10A

• Ultra Fast Reverse-Recovery Time: trr=35ns (Max.)

Low Switching Losses and Output Noise.

MAXIMUM RATINGS

CHARACT	ERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	10DL2CZ47A		200	>	
	10FL2CZ47A	V_{RRM}	300		
	10GL2CZ47A		400		
Average Output Red	ctified Current	Io	10	Α	
Peak One Cycle Su		l==	50 (50H _Z)	Α	
Current (Sine Wave)		I _{FSM}	55 (60H _Z)		
Junction Temperature		Tj	-40~150	°C	
Storage Temperature Range		T _{stg}	-40~150	°C	
Screw Torque		_	0.6	N·m	



Weight: 2.0g

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	
	10FL2CZ47A			_	_	10	μΑ
	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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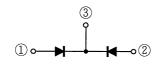
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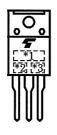
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POLARITY

MARKING





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

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