TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

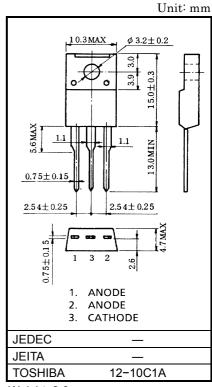
10JL2CZ47A

SWITCHING MODE POWER SUPPLY APPLICATION CONVERTER & CHOPPER APPLICATION

• Low Switching Losses and Output Noise.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	600	V
Average Output Rectified Current	Io	10	Α
Peak One Cycle Surge Forward Current (Non-Repetitive, Sine Wave)	I _{FSM}	40 (50H _Z)	А
Junction Temperature	Tj	-40~150	°C
Storage Temperature Range	T _{stg}	-40~150	°C
Screw Torque	_	0.6	N·m



Weight: 2.0g

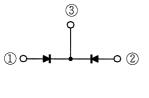
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

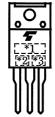
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	(Note 1)	V_{FM}	I _{FM} = 5A	_	_	4.0	V
Repetitive Peak Reverse Current (Note 1)		I _{RRM}	V _{RRM} = 600V	_	_	50	μΑ
Reverse Recovery Time	(Note 1)	t _{rr}	I _F = 2A, di / dt = -20A / μs	_	_	35	ns
Forward Recovery Time	(Note 1)	t _{fr}	I _F = 1A	_	_	150	ns
Thermal Resistance		R _{th (j−c)}	DC Total, Junction to Case	_	_	3.6	°C/W

Note 1: A value of one cell.

POLARITY

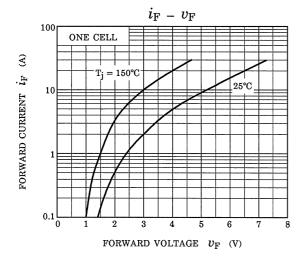
MARKING

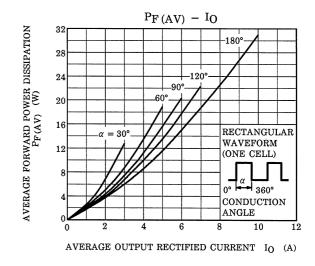


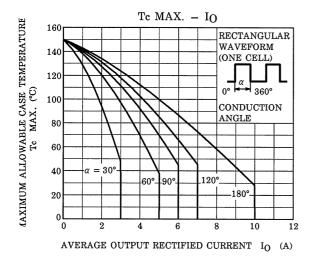


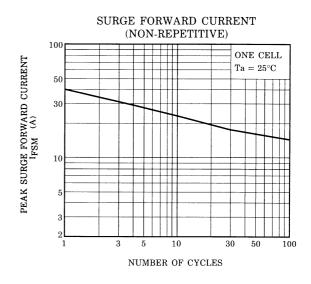
* 1	MARK	10JL2CZ	TYPE	10JL2CZ47A		
* 2	Α					
* 3	Lot Number					

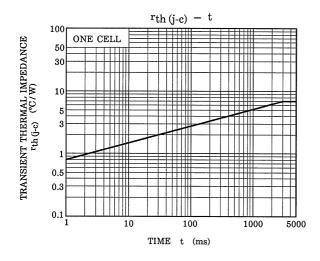
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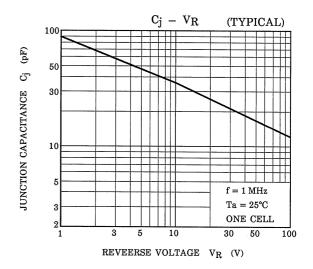












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