TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

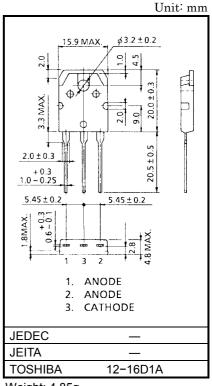
30JL2C41

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	30	Α	
Peak One Cycle Surge Forward	I _{FSM}	150 (50Hz)	A	
Current (Sine Wave)		165 (60Hz)		
Junction Temperature	Tj	-40~150	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	
Screw Torque	_	0.8	N·m	



Weight: 4.85g

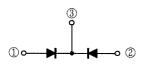
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

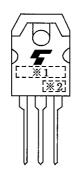
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 15A	_	2.0	٧
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 600V	_	50	μA
Reverse Recovery time	t _{rr}	I _F = 2A, di / dt = -50A / μs	_	50	ns
Forward Recovery time	t _{fr}	I _F = 1A	_	150	ns
Thermal Resistance	R _{th (j-c)}	DC Total, Junction to Case	_	1.0	°C / W

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

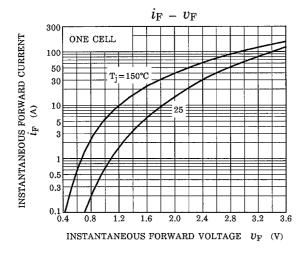
POLARITY

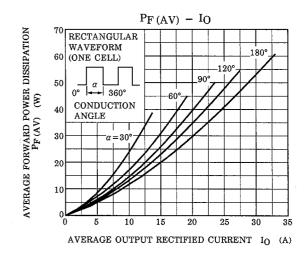
MARKING

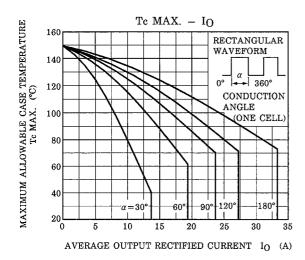


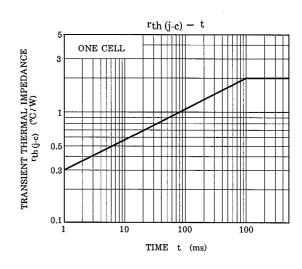


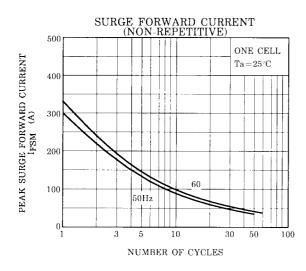
* 1	MARK	30JL2C	
* 2	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Christian Era)		

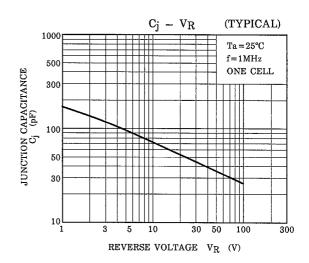












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