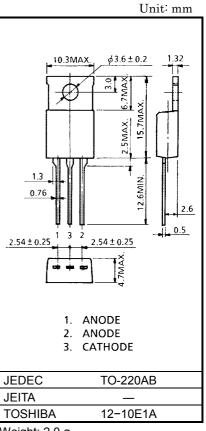
TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

5DL2C41A

SWITCHING MODE POWER SUPPLY APPLICATION CONVERTER & CHOPPER APPLICATION

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	200	V	
Average Output Rectified Current (Tc = 126°C)	I _O	5	Α	
Peak One Cycle Surge Forward Current (Non Repetitive)	I _{FSM}	25 (50Hz) A		
Junction Temperature	Tj	-40~150	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	
Screw Torque	_	0.6	N·m	



Weight: 2.0 g

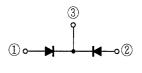
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

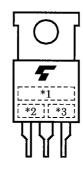
CHARACTERIST	IC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage	(Note 1)	V_{FM}	I _{FM} = 2.5A	_	0.98	V
Repetitive Peak Reverse C	urrent (Note 1)	I _{RRM}	V _{RRM} = 200V	-	10	μA
Reverse Recovery time	(Note 1)	t _{rr}	I _F = 2A, di / dt = -20A / μs	_	35	ns
Forward Recovery time	(Note 1)	t _{fr}	I _F = 1.0A	_	100	ns
Thermal Resistance		R _{th (j-c)}	DC Total, Junction to Case	_	4.0	°C / W

Note 1: A value of one cell.

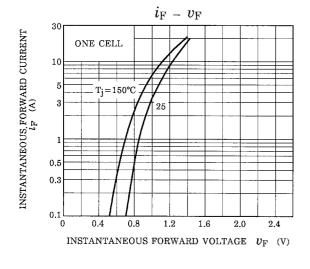
POLARITY

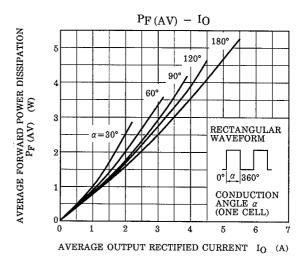
MARKING

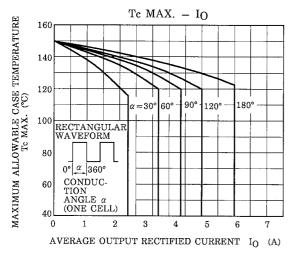


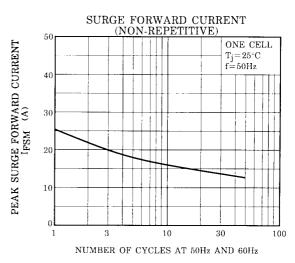


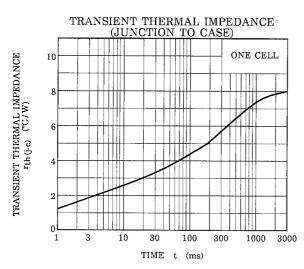
* 1	MARK	5DL2C	
* 2	Α		
* 3	Lot Number — Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)		

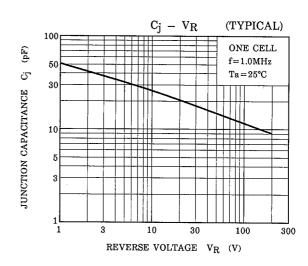












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