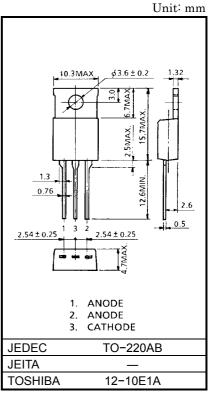
TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

10DL2C41A

SWITCHING MODE POWER SUPPLY APPLICATIONS CONVERTER & CHOPPER APPLICATION

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	200	٧	
Average Output Rectified Current (Tc = 116°C)	I _O	10 A		
Peak One Cycle Surge Forward Current (Non Repetitive)	I _{FSM}	50 (50Hz) A		
Junction Temparature	Tj	-40~150	°C	
Storage Temparature Range	T _{stg}	−40~150 °C		
Screw Torque	_	0.6	N·m	



Weight: 2.0g

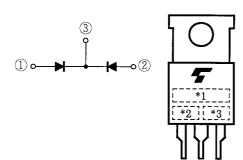
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERIST	IC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage	(Note 1)	V_{FM}	I _{FM} = 5A	_	0.98	V
Repetitive Peak Reverse C	urrent (Note 1)	I _{RRM}	V _{RRM} = 200V	_	10	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 = 1.0A	_	100	ns
Thermal Resistance		R _{th (j-c)}	DC Total, Junction to Case	_	3.0	°C/W

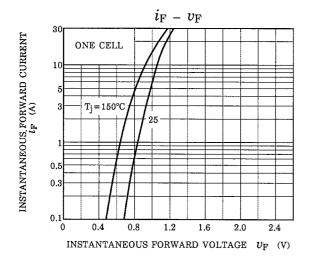
Note 1: A value of one cell.

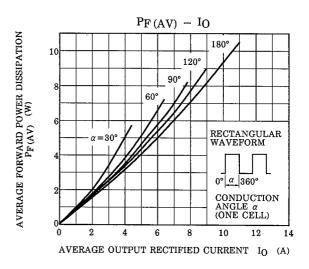
POLARITY

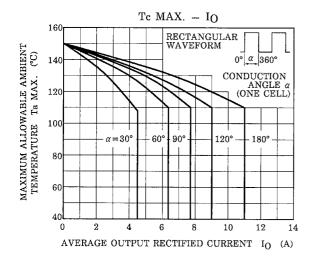
MARKING

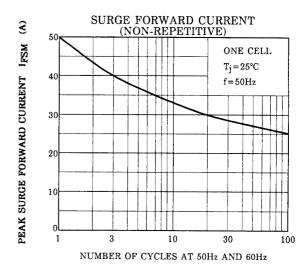


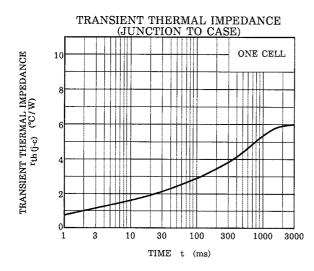
* 1	MARK	10DL2C	
* 2	Α		
* 3	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Christian Era)		

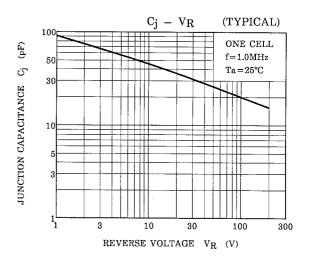












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000707EAA

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