Unit in mm

TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

U 2 0 J L 2 C 4 8 A

SWITCHING TYPE POWER SUPPLY APPLICATION

CONVERTER & CHOPPER APPLICATION

Repetitive Peak Reverse Voltage $: V_{RRM} = 600V$

Average Output Rectified Current: IO=20A

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

Low Switching Losses and Output Noise.

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	v_{RRM}	600	V	
Average Output Rectified Current	IO	20	Α	
Peak One Cycle Surge Forward	Trons	80 (50Hz)	A	
Current (Sin Wave)	IFSM	88 (60Hz)	A	
Junction Temperature	T_{j}	-40~150	$^{\circ}\mathrm{C}$	
Storage Temperature Range	$T_{ m stg}$	-40~150	°C	

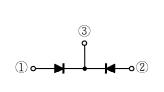
2.54 ± 0.25 **ANODE** ANODE CATHODE **JEDEC EIAJ** TOSHIBA 12-10D2A

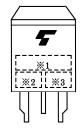
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	$v_{ m FM}$	$I_{\mathbf{FM}} = 10A$		3.2	V
Repetitive Peak Reverse Current	$I_{ m RRM}$	$V_{RRM} = 600V$	I	50	μ A
Reverse Recovery Time	$\mathrm{t_{rr}}$	$I_F=2A$, di/dt= $-50A$ / μ s	1	35	ns
Forward Recovery Time	${ m t_{fr}}$	$I_{\mathbf{F}} = 1\mathbf{A}$	_	100	ns
Thermal Resistance	$ m R_{th~(j-c)}$	DC Total, Junction to Case	_	1.6	°C/W

Note 1: VFM, IRRM, trr, tfr ... A value of one cell.

Polarity Marking





% 1	MARK	$20 \mathrm{JL2C}$			
%2	A	A			
*3	Lot Number				
	Year (Last Number of the Christian E				

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