TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

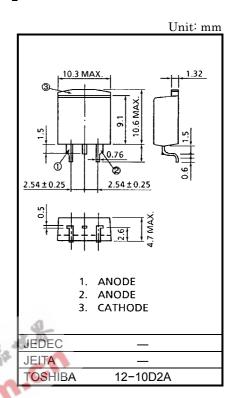
U20GL2C48A

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}	400	V
Average Output Rectified Current	Io	20	Α
Peak One Cycle Surge Forward	I _{FSM}	100 (50Hz)	Α
Current (Sin Wave)		110 (60Hz)	
Junction Temperature	Tj	-40~150	°C
Storage Temperature Range	T _{stg}	-40~1 50	°C



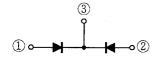
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

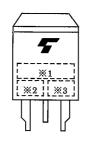
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 10A	_	_	1.8	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 400V	_	_	50	μA
Reverse Recovery Time	t _{rr}	$I_F = 2A$, di / dt = $-50A$ / μ s	_	_	35	ns
Forward Recovery Time	t _{fr}	t_{fr} $I_F = 1A$		_	100	ns
Thermal Resistance	R _{th (j−c)}	DC Total, Junction to Case	_	_	1.6	°C/W

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

POLARITY

MARKING





	* 1	MARK	20GL2C	
I	* 2	А		
	* 3	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Christian Era)		



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000707EAA

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