

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

10GWJ2C42

SWITCHING TYPE POWER SUPPLY APPLICATION

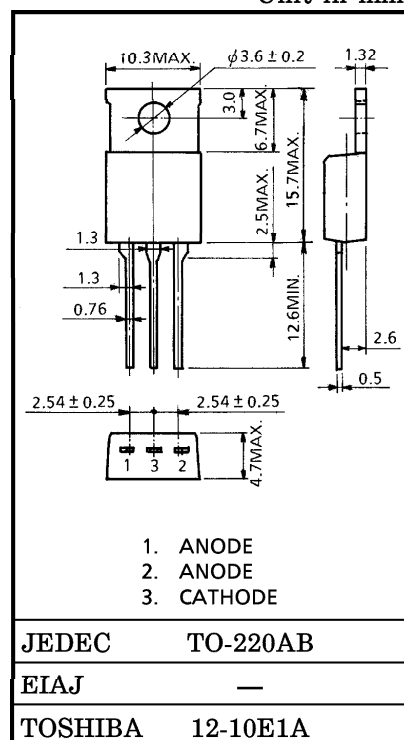
CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : $V_{RRM}=40V$
- Average Output Rectified Current : $I_O=10A$
- Low Switching Losses and Output Noise

MAXIMUM RATINGS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Output Rectified Current ($T_c = 107^\circ C$)	I_O	10	A
Peak One Cycle Surge Forward Current	I_{FSM}	100 (50Hz)	A
Junction Temperature	T_j	$-40 \sim 125$	$^\circ C$
Storage Temperature Range	T_{stg}	$-40 \sim 150$	$^\circ C$

Unit in mm

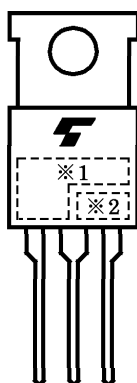
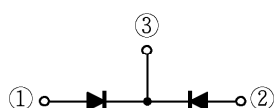
ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

Weight : 2.0g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 5.0A$	—	—	0.55	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 40V$	—	—	3.5	mA
Reverse Recovery Time	t_{rr}	$I_{FM} = 1.0A$, $di/dt = -50A/\mu s$	—	—	35	ns
Junction Capacitance	C_j	$V_R = 10V$, $f = 1.0MHz$	235	—	—	pF
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	—	2.5	$^\circ C/W$

POLARITY

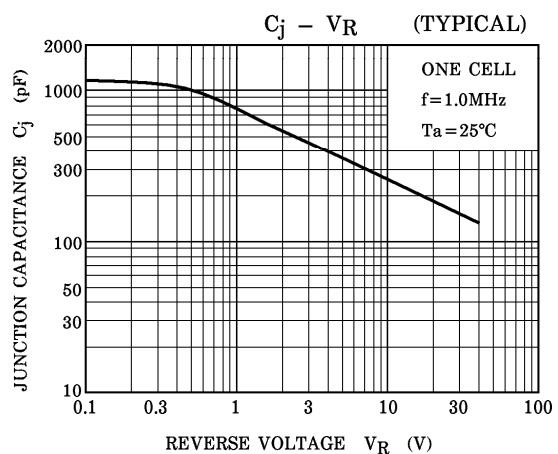
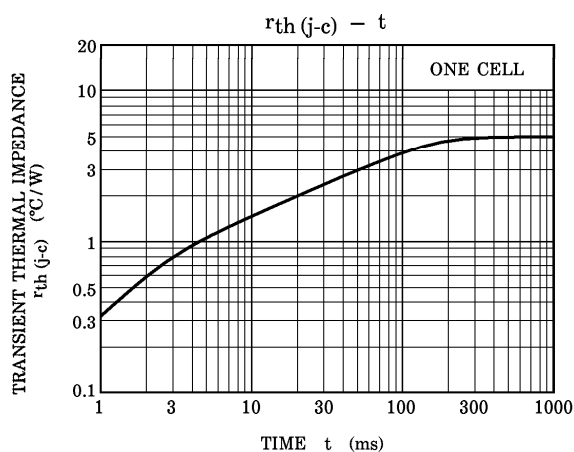
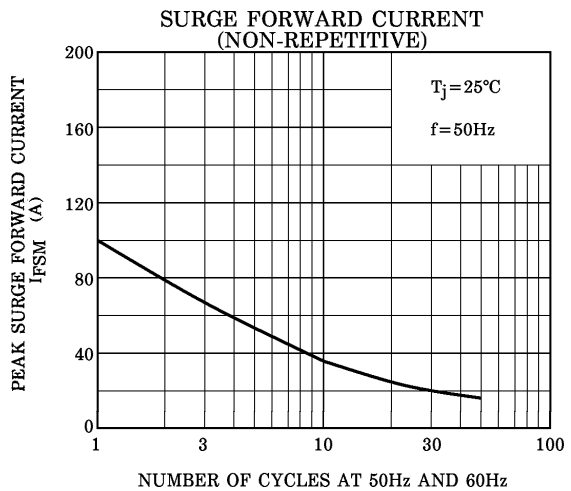
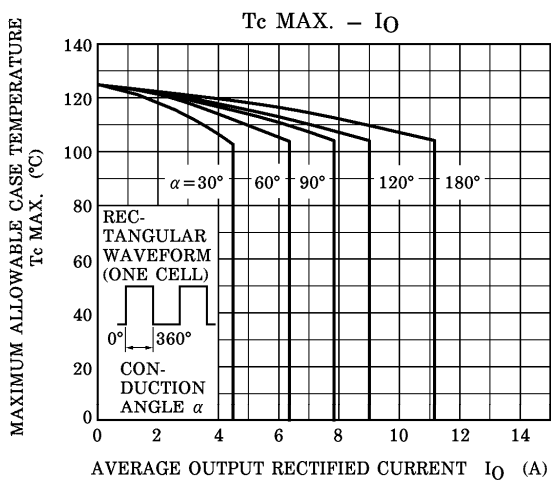
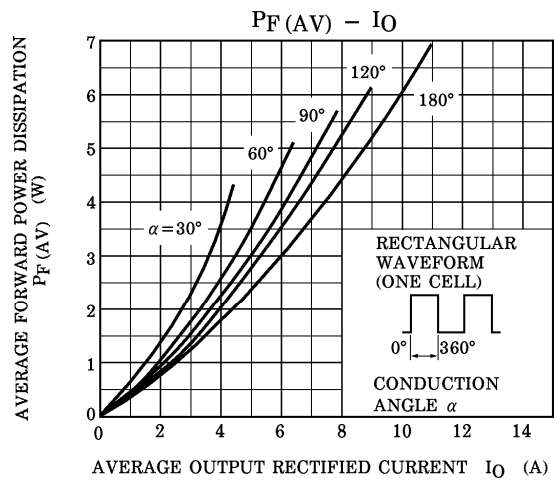
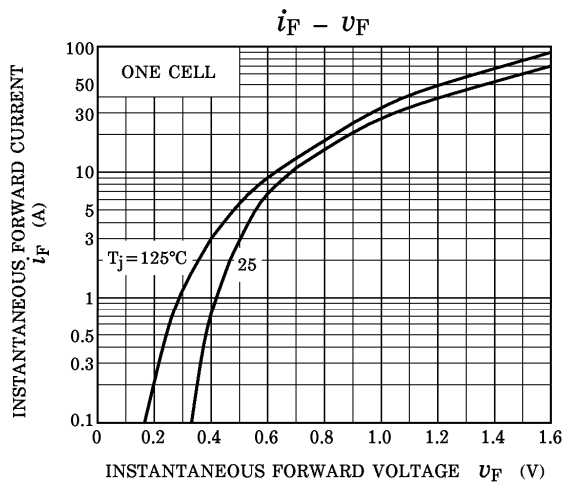
MARKING



*1	MARK	10GWJ2C42
*2	Lot Number	
	Month (Starting from Alphabet A)	
	Year (Last Number of the Christian Era)	

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