TOSHIBA

5FWJ2C42

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

5 F W J 2 C 4 2

HIGH SPEED RECTIFIER APPLICATION

Unit in mm

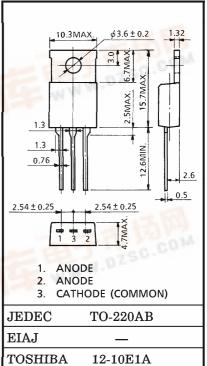
• Average Output Rectified Current : I_O=5.0A

• Repetitive Peak Reverse Voltage : V_{RRM}=30V

• Low Forward Voltage $: V_{FM} = 0.55V$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	v_{RRM}	30	V
Average Forward Current (Tc=114°C)	IO	5.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	50 (50Hz)	A
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	$T_{ m stg}$	-40~150	°C



Weight: 2.0g

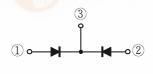
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

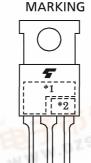
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{ m FM}$	I _{FM} =2.5A		0.55	V
Repetitive Peak Reverse Current	I_{RRM}	V _{RRM} =30V	A	3.5	mA
Reverse Recovery Time	t _{rr}	$I_{FM} = 1.0A$, di/dt = $-30A/\mu s$	_	35	ns
Junction Capacitance	C_{j}	$V_R = 10V$, $f = 1.0MHz$	125	_	pF
Thermal Resistance	R _{th (j-c)}	DC Total, Junction to Case	_	3.0	°C/W

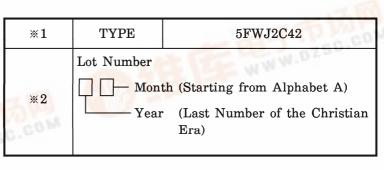
V_{FM}, I_{RRM}, t_{rr}, C_j : A value of one cell.

POLARITY

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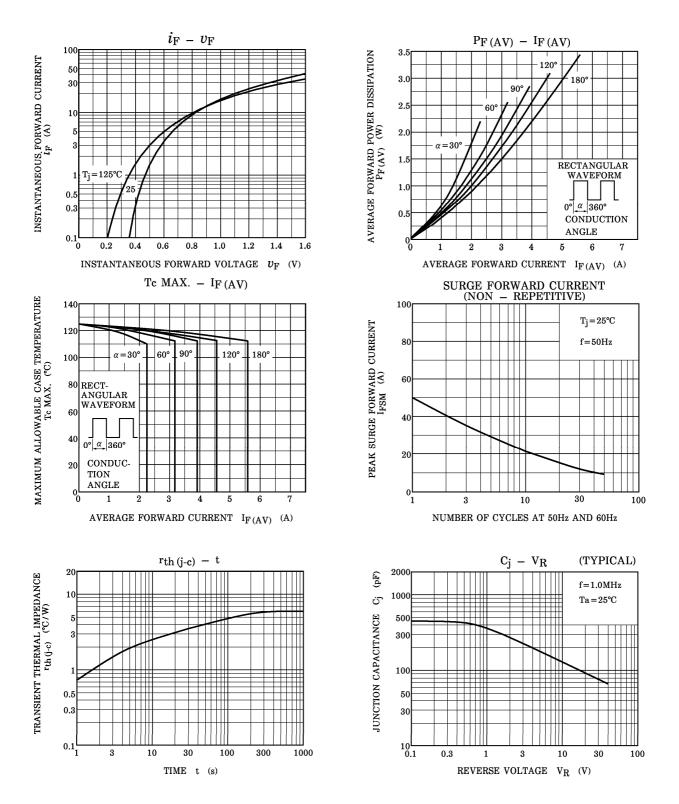




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