TOSHIBA 5FWJ2C42

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

5 F W J 2 C 4 2

HIGH SPEED RECTIFIER APPLICATION

Average Output Rectified Current: IO=5.0A

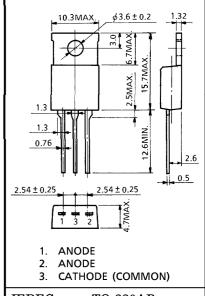
Repetitive Peak Reverse Voltage : V_{RRM}=30V

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	$^{\circ}\mathrm{C}$
Storage Temperature Range	$T_{ m stg}$	-40~150	°C

Unit in mm



JEDEC TO-220AB **EIAJ TOSHIBA** 12-10E1A

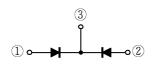
Weight: 2.0g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

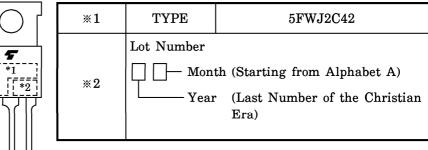
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{ extbf{FM}}$	I_{FM} =2.5A	_	0.55	V
Repetitive Peak Reverse Current	${ m I}_{ m RRM}$	$V_{RRM} = 30V$	_	3.5	mA
Reverse Recovery Time	t _{rr}	$I_{FM} = 1.0A$, di/dt = $-30A/\mu s$	_	35	ns
Junction Capacitance	$C_{\rm j}$	V_R =10V,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

 $V_{\mbox{\scriptsize FM}},\,I_{\mbox{\scriptsize RRM}},\,t_{\mbox{\scriptsize rr}},\,C_{\mbox{\scriptsize j}}:A$ value of one cell.

POLARITY



MARKING

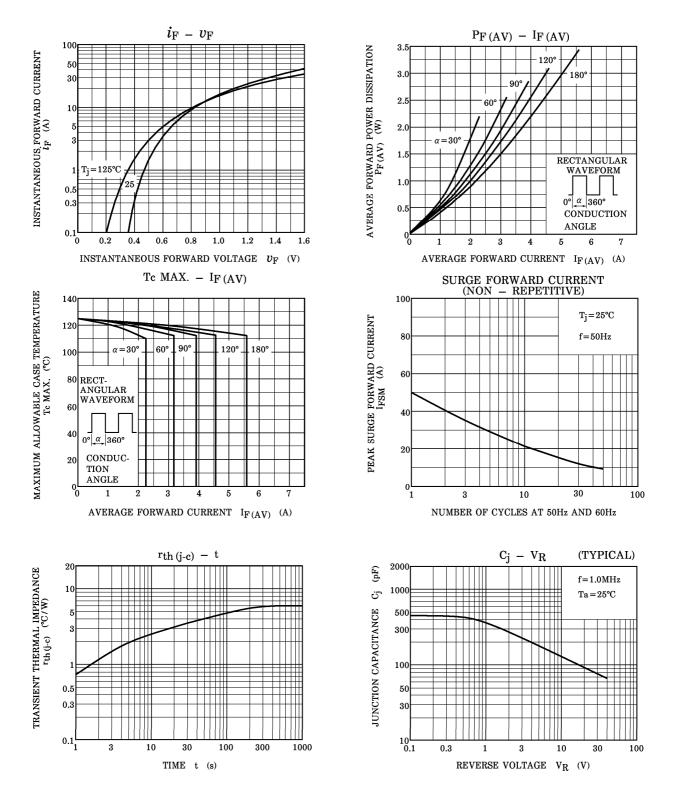


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