TOSHIBA 10FWJ2C42

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

10FWJ2C42

HIGH SPEED RECTIFIER APPLICATIONS

Average Output Rectified Current : I_O=10A
 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 Output Rectified Current (Tc=107°C)	IO	10	A
Peak One Cycle Surge Forward Current	I _{FSM}	100	A
Junction Temperature	T_{j}	-40~125	$^{\circ}\mathrm{C}$
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~150	$^{\circ}\mathrm{C}$

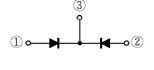
Weight: 2.0g

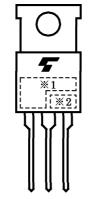
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

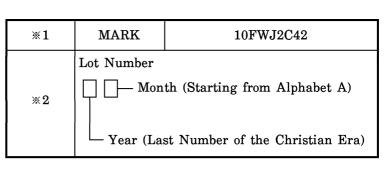
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{\mathbf{FM}}$	$I_{\text{FM}} = 5.0 \text{A}$	_	_	0.55	V
Repetitive Peak Reverse Current	I_{RRM}	V _{RRM} =Ratings Voltage	_	_	3.5	mA
Reverse Recovery Time	t _{rr}	$I_{FM} = 1.0A$, di/dt = $-50A/\mu s$	_	_	35	ns
Junction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

POLARITY

MARKING



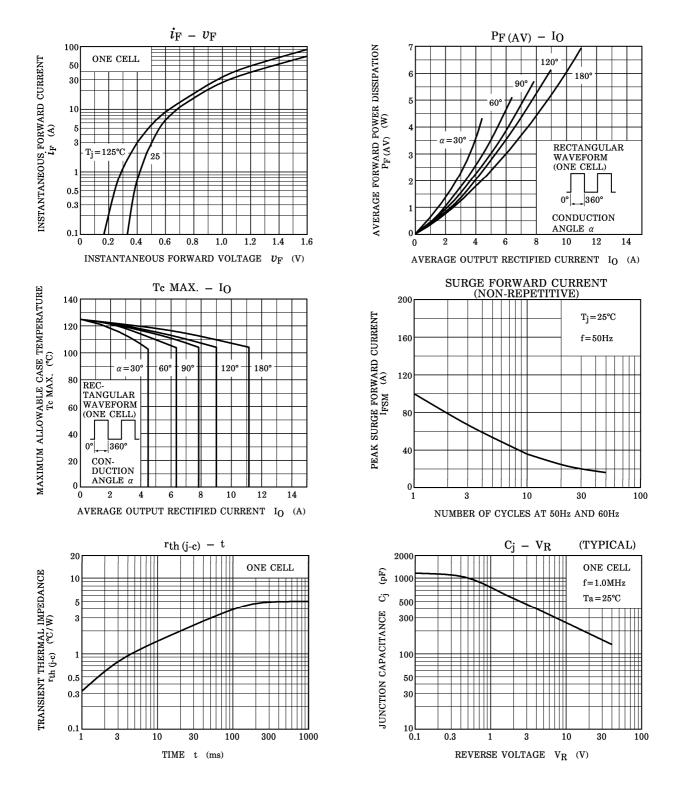




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