TOSHIBA U5FWK2C42

TOSHIBA SCHOTTKY BARRIER RECTIFIER TRENCH SCHOTTKY BARRIER TYPE

U 5 F W K 2 C 4 2

SWITCHING TYPE POWER SUPPLY APPLICATION

Peak Forward Voltage $: V_{FM} = 0.40 V (MAX.)$

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

Average Output Rectified Current: IO = 5 A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	v_{RRM}	30	V
Average Output Rectified Current	IO	5.0	A
Peak One Cycle Surge Forward Current	I_{FSM}	50 (50 Hz)	A
Junction Temperature	T_{j}	-40~125	°C
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~125	$^{\circ}\mathrm{C}$

Unit in mm 6.8MAX 0.6MAX. 0.95MAX 0.6 ± 0.15 0.6MAX 0.6 ± 0.15 **ANODE** CATHODE (HEAT SINK) ANODE

J.	ANODE		
JEDEC		_	
EIAJ		SC-64	
гоѕнів	8A 1	2-7B2A	

Weight: 0.3 g

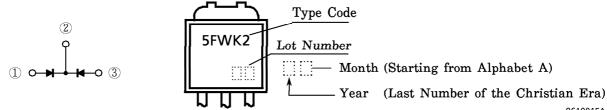
ELECTRICAL CHARACTERISTICS ($Ta = 25^{\circ}C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note)	V_{FM}	$I_{\text{FM}} = 2.5 \text{ A}$	_	_	0.40	V
Repetitive Peak Reverse Current (Note)	I_{RRM}	$V_{ m RRM} = 30~{ m V}$	_	_	0.3	mA
Junction Capacitance (Note)	Cj	$V_{R} = 10 \text{ V}, \text{ f} = 1.0 \text{ MHz}$	_	145	_	pF
Thermal Resistance	R _{th (j-c)}	DC Total	_	_	3.5	°C/W

(Note): A Value of one cell

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