

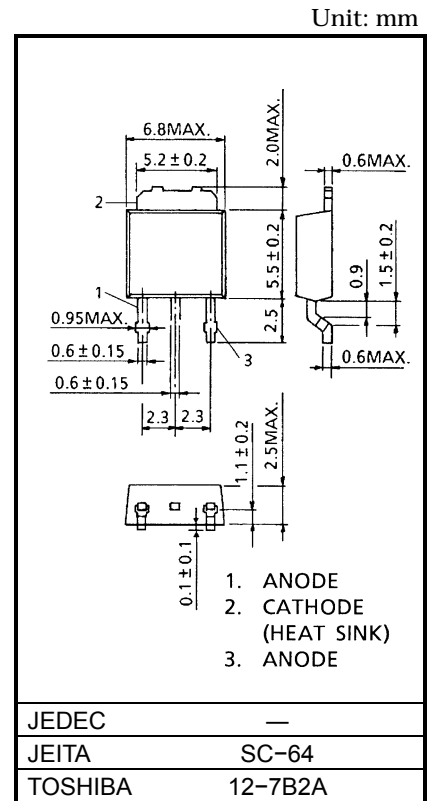
# U5FWK2C42

## SWITCHING MODE POWER SUPPLY APPLICATION

- Peak Forward Voltage :  $V_{FM} = 0.40 \text{ V (Max)}$
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 30 \text{ V}$
- Average Output Rectified Current :  $I_O = 5 \text{ A}$

## MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
Average Forward Current	$I_O$	5.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	50 (50Hz)	A
Junction Temperature	$T_j$	-40~125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-40~125	$^\circ\text{C}$



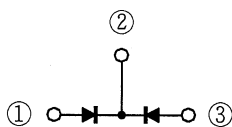
## ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

Weight: 0.3g

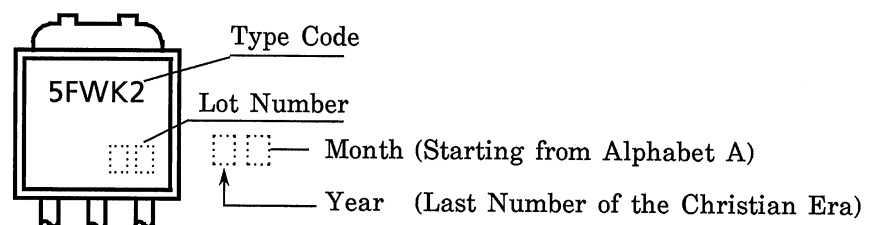
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage (Note)	$V_{FM}$	$I_{FM} = 2.5 \text{ A}$	—	—	0.40	V
Repetitive Peak Reverse Current (Note)	$I_{RRM}$	$V_{RRM} = 30 \text{ V}$	—	—	0.3	mA
Junction Capacitance (Note)	$C_j$	$V_R = 10 \text{ V}, f = 1.0 \text{ MHz}$	—	145	—	pF
Thermal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

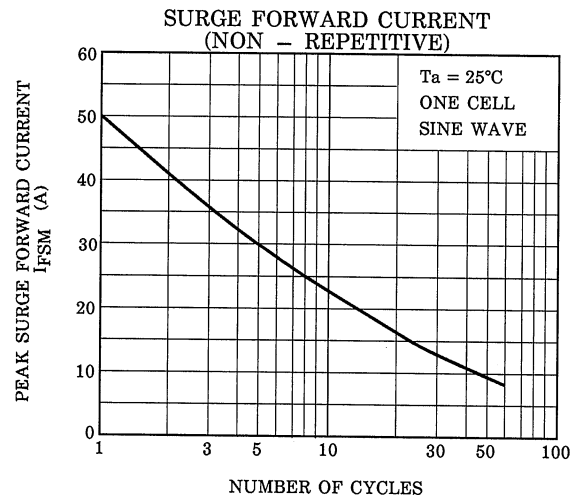
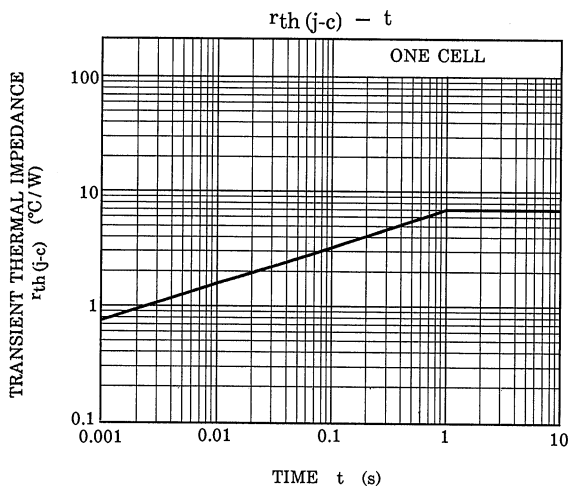
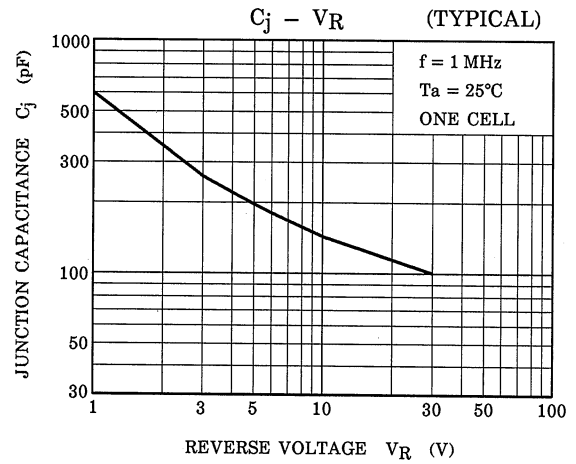
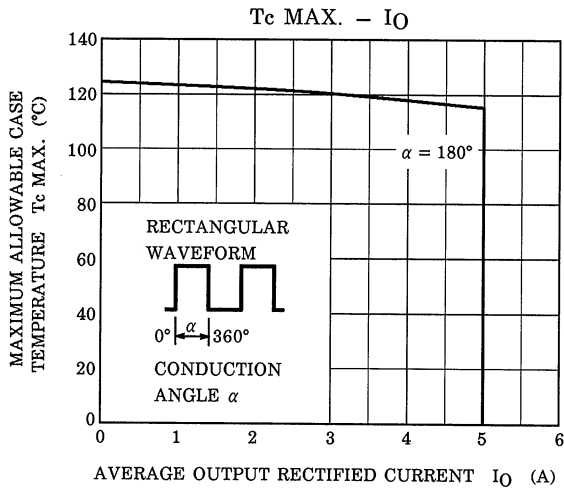
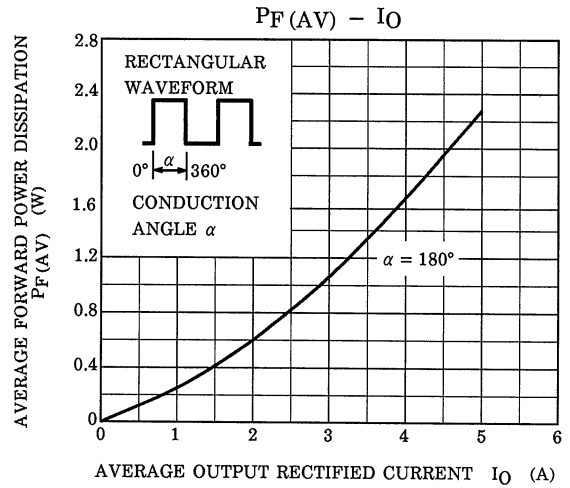
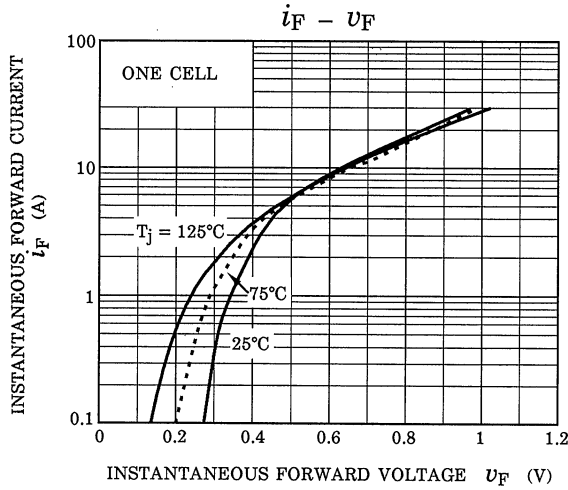
Note: A Value of one cell

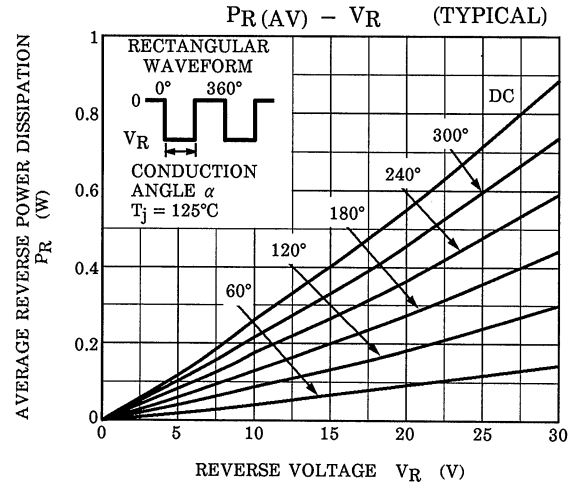
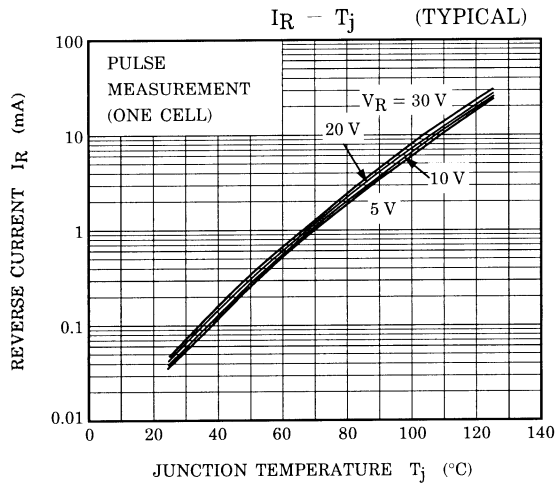
## POLARITY



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