TOSHIBA

TOSHIBA SCHOTTKY BARRIER RECTIFIER TRENCH SCHOTTKY BARRIER TYPE

U 3 F W K 4 2

HIGH SPEED RECTIFIER APPLICATIONS

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

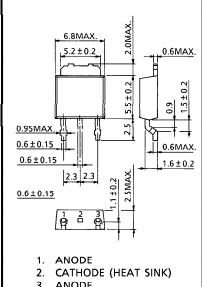
Repetitive Peak Reverse Voltage $: V_{RRM} = 30V$

Average Output Rectified Current : IF (AV) = 3A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Average Forward Current	I _{F (AV)}	3	Α
Peak One Cycle Surge Forward Current (Sine Wave)	I _{FSM}	75 (50Hz)	A
Junction Temperature	T_{j}	-40~125	°C
Storage Temperature Range	$T_{ m stg}$	-40~125	°C

Unit in mm



3. ANODE

JEDEC EIAJ SC-64 TOSHIBA 12-7B2A

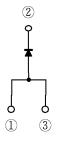
Weight: 0.3g

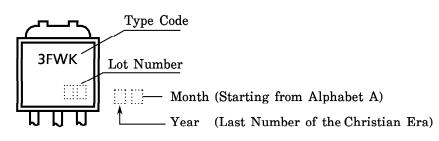
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	$ m V_{FM}$	I_{FM} =3.0A	_	0.40	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{ m RRM}$ =30 V	_	0.5	mA
Junction Capacitance	$\mathbf{C_{j}}$	$V_R=10V$, $f=1MHz$	200	_	pF
Thermal Resistance (Junction to Case)	R _{th (j-c)}	DC Total		6.0	°C/W

POLARITY

MARKING





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