**TOSHIBA** 

Unit in mm

TOSHIBA SCHOTTKY BARRIER DIODE SCHOTTKY BARRIER TYPE

# 3 F W J 4 2 N

#### HIGH SPEED RECTIFIER APPLICATIONS

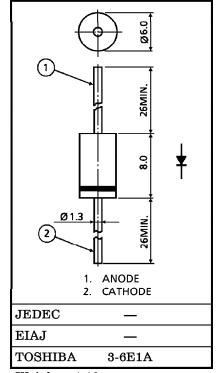
 $: I_{F(AV)} = 3.0A$ Average Forward Current

Low Forward Voltage  $: V_{FM} = 0.37V \text{ (Max.)}$ 

Repetitive Peak Reverse Voltage: VRRM=30V

#### **MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
Average Forward Current	I <sub>F (AV)</sub>	3.0	Α
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{ ext{FSM}}$	90 (50Hz)	A
Junction Temperature	$T_{j}$	-40~125	°C
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~125	$^{\circ}\mathrm{C}$

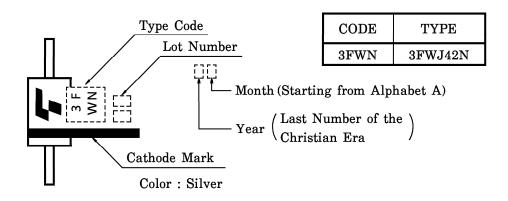


Weight: 1.18g

## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{\mathbf{FM}}$	$I_{FM}$ =3.0A	_	_	0.37	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 30V$	_	_	5.0	mA
Junction Capacitance	Cj	$V_R=10V$ , f=1MHz	_	140	_	рF

### **MARKING**



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