

TOSHIBA SCHOTTKY BARRIER DIODE SCHOTTKY BARRIER TYPE

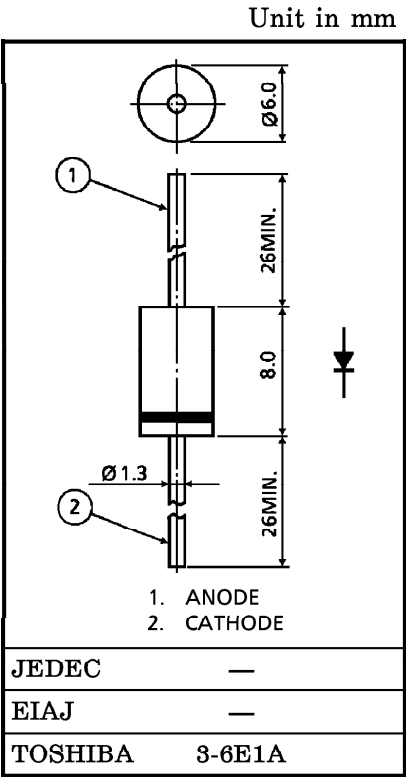
3FWJ42N

HIGH SPEED RECTIFIER APPLICATIONS

- Average Forward Current : $I_F(AV)=3.0A$
- Low Forward Voltage : $V_{FM}=0.37V$ (Max.)
- Repetitive Peak Reverse Voltage : $V_{RRM}=30V$

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Average Forward Current	$I_F(AV)$	3.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	90 (50Hz)	A
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~125	°C

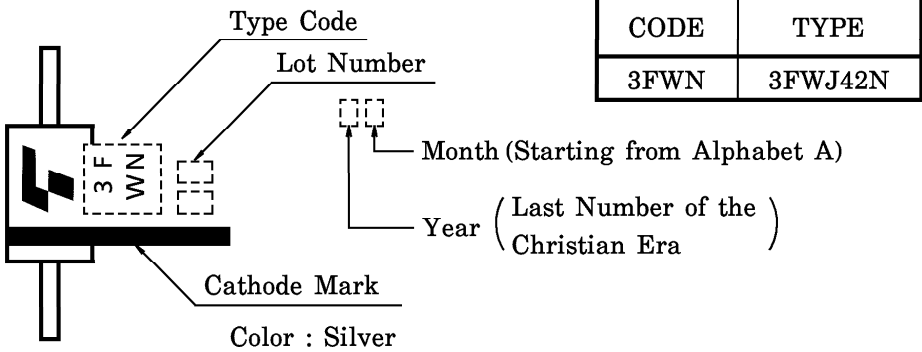


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 1.18g

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

MARKING



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