

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

# 1FWJ43M

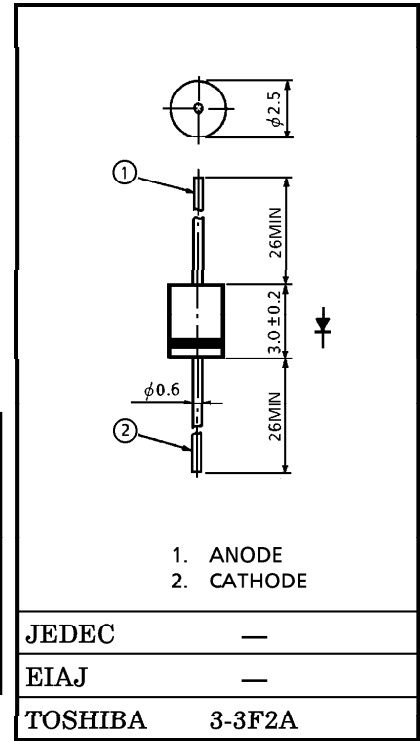
HIGH SPEED RECTIFIER APPLICATIONS

Unit in mm

- Low Forward Voltage :  $V_{FM} = 0.45V$  (Max.)
- Low Reverse Current :  $I_{RRM} = 0.5mA$  (Max.)
- Average Forward Current :  $I_F (AV) = 1.0A$
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 30V$

**MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
Average Forward Current	$I_F (AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	20 (50Hz)	A
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~125	°C

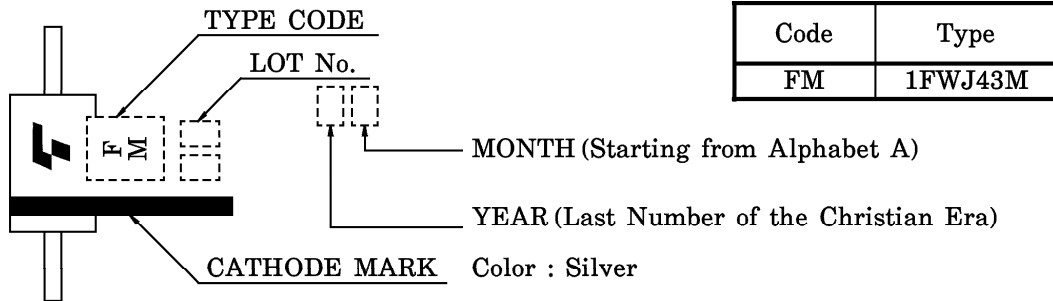


**ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

Weight : 0.18g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.0A$	—	—	0.45	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 30V$	—	—	0.5	mA
Junction Capacitance	$C_j$	$V_R = 10V, f = 1MHz$	—	60	—	pF

**MARKING**



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