

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

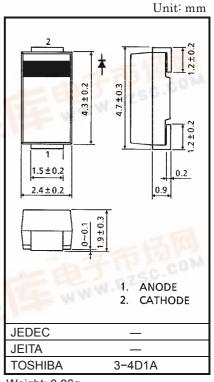
U1FWJ44M

HIGH SPEED RECTIFIER APPLICATIONS

 $\begin{array}{ll} \bullet & Low \ Forward \ Voltage & : V_{FM} = 0.45 V \ (Max) \\ \bullet & Low \ Reverse \ Current & : I_{RRM} = 0.5 mA \ (Max) \\ \bullet & Average \ Forward \ Current & : I_{F} \ (AV) = 1.0 A \\ \bullet & Repetitive \ Peak \ Reverse \ Voltage & : V_{RRM} = 30 V \\ \end{array}$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	30	V	
Average Forward Current	I _{F (AV)}	1.0	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	20 (50Hz)	А	
Junction Temparature	Tj	-40~125	°C	
Storage Temparature Range	T _{stg}	-40~125	°C	

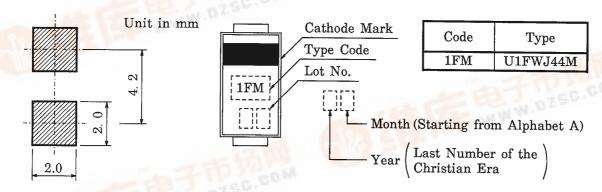


Weight: 0.06g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

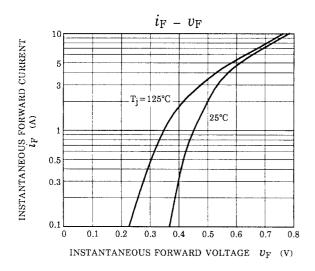
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 1.0A		74-1	0.45	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 30V	-	4.5	0.5	mA
Junction Capacitance	Cj	V _R = 10V, f <mark>= 1MHz</mark>		60	_	pF

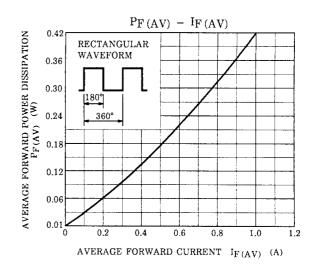
STANDARD SOLDERING PAD MARKING

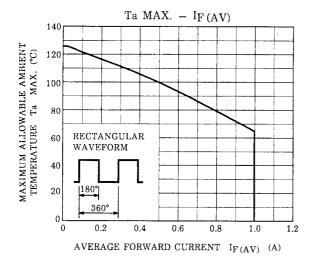


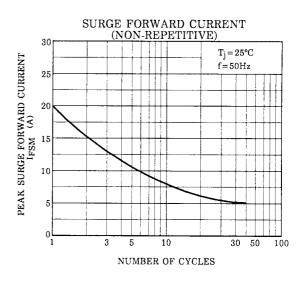


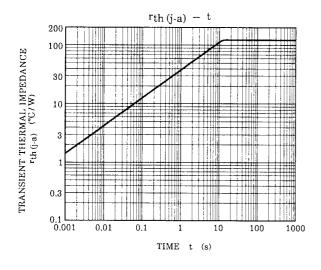
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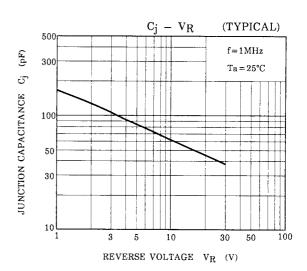


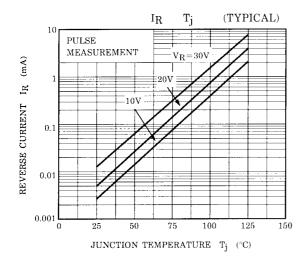


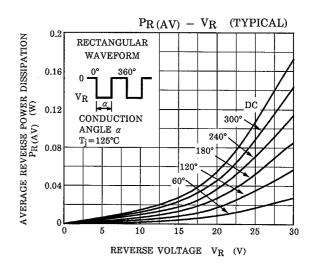












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