TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

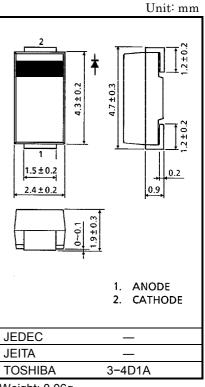
U2FWJ44M

SWITCHING MODE POWER SUPPLY APPLICATION PORTABLE EQUIPMENT BATTERY APPLICATION

• Surface Mounting Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	٧
Average Forward Current	I _{F (AV)}	2.0	Α
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	60 (50Hz)	Α
Junction Temparature	Tj	-40~125	°C
Storage Temparature Range	T _{stg}	-40~125	°C

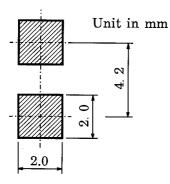


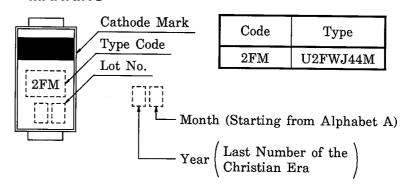
Weight: 0.06g

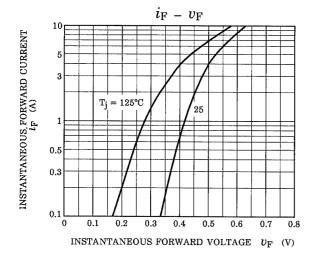
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

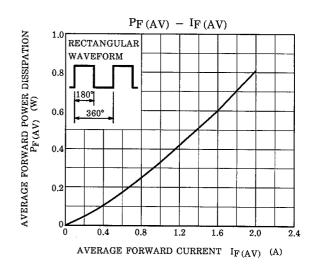
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 2.0 A	_	_	0.45	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 30 V	_	_	500	μA
Junction Capacitance	Cj	V _R = 10 V, f = 1.0 MHz	_	125	_	pF
Thermal Resistance (Junction to Ambient)	R _{th (j-a)}	On ceramic substrate	_	_	60	°C/W
		On glass-epoxy substrate	_	_	145	

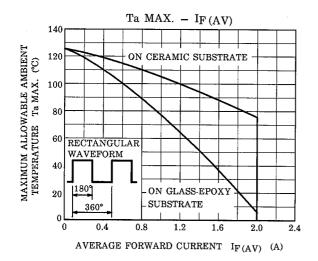
STANDARD SOLDERING PAD MARKING



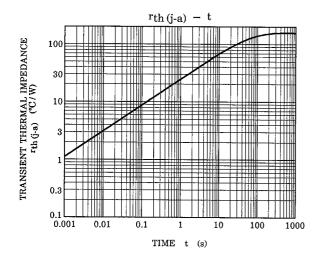


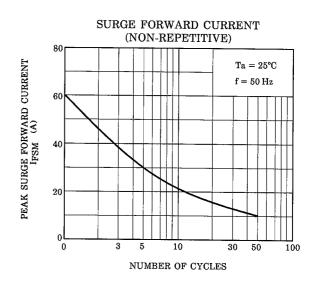




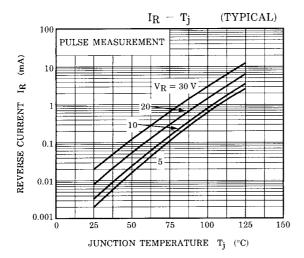


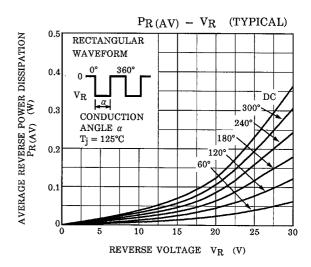
		ON CERAMIC SUBSTRATE	ON GLASS-EPOXY SUBSTRATE			
Soldering land	: a	$2 \text{ mm} \times 2 \text{ mm}$	6 mm × 6 mm			
Substrate size	: b	50 mm × 50 mm	50 mm × 50 mm			
Substrate thickness	: c	0.64 mm	1.6 mm			
c c						

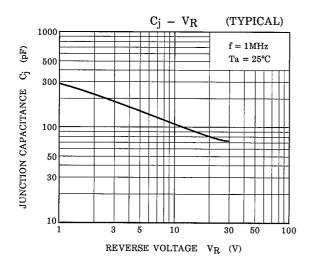




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