

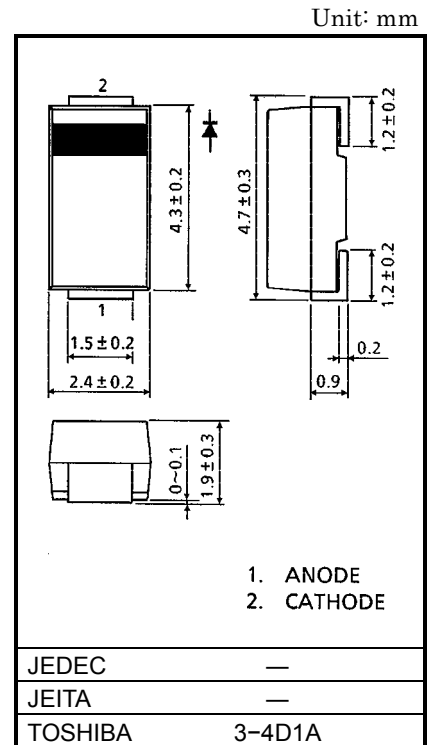
U1FWJ44M

HIGH SPEED RECTIFIER APPLICATIONS

- 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 (Ta = 25°C)

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

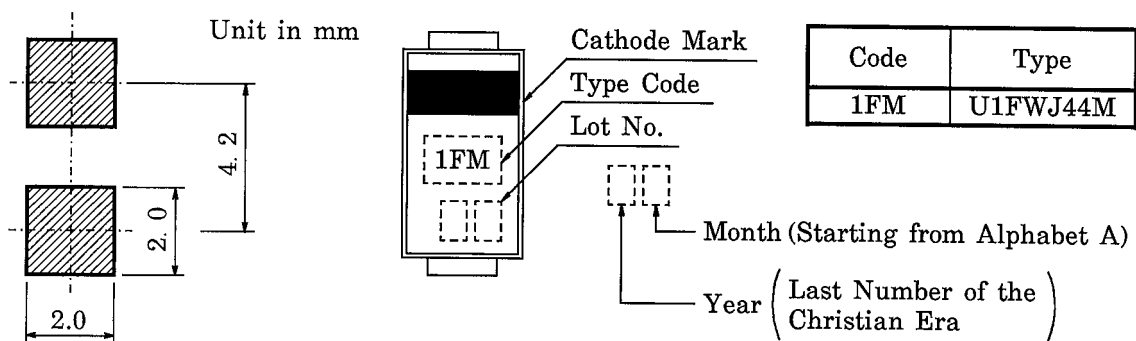


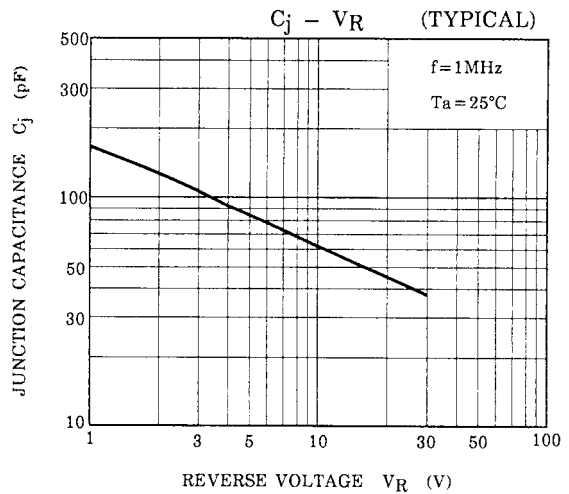
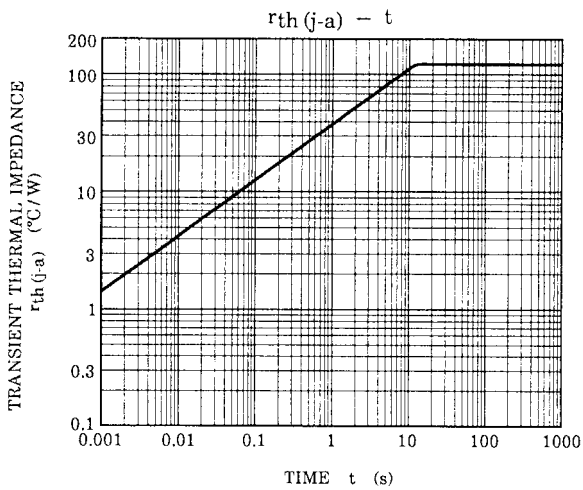
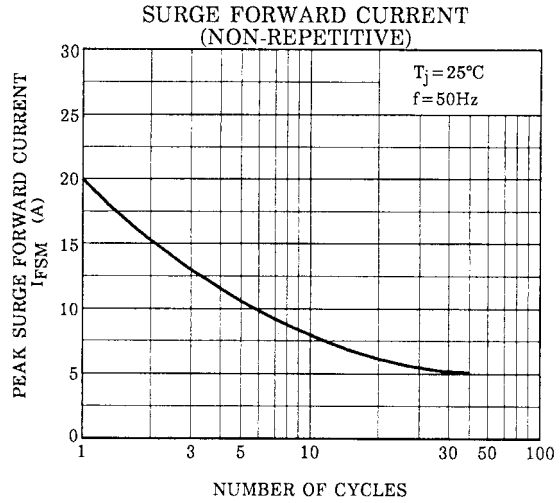
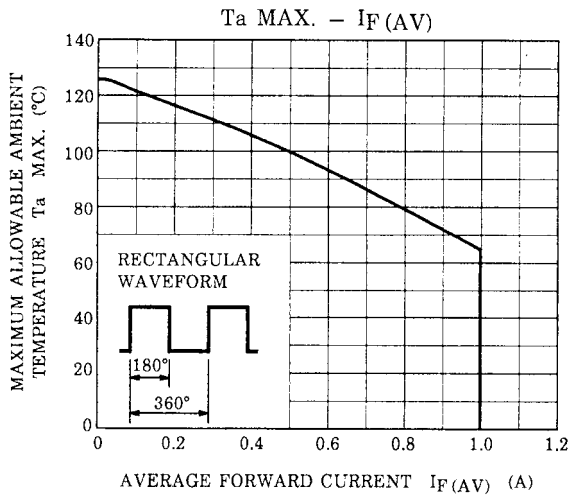
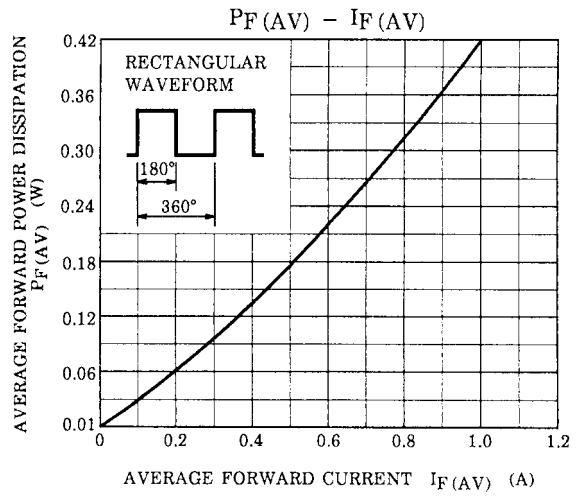
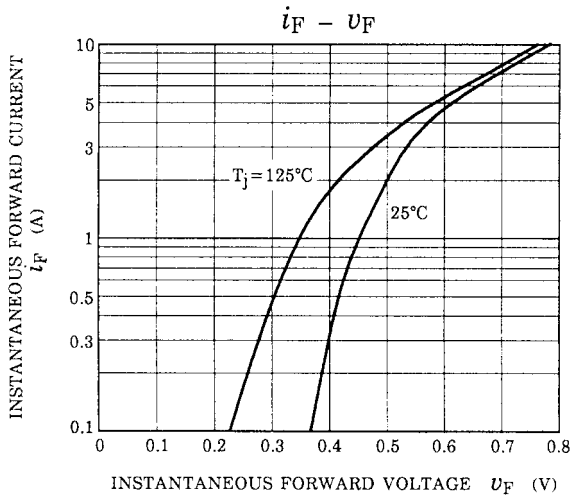
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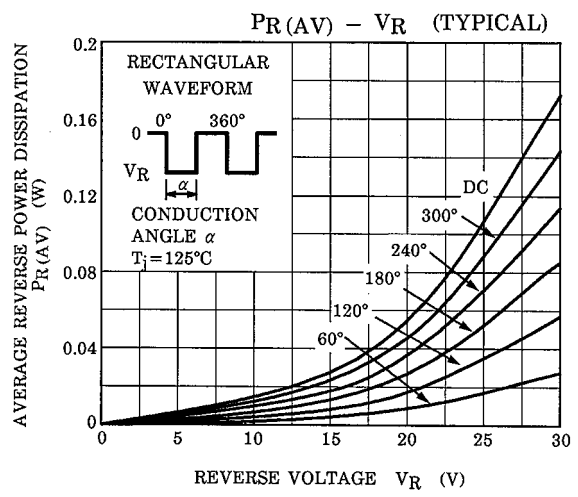
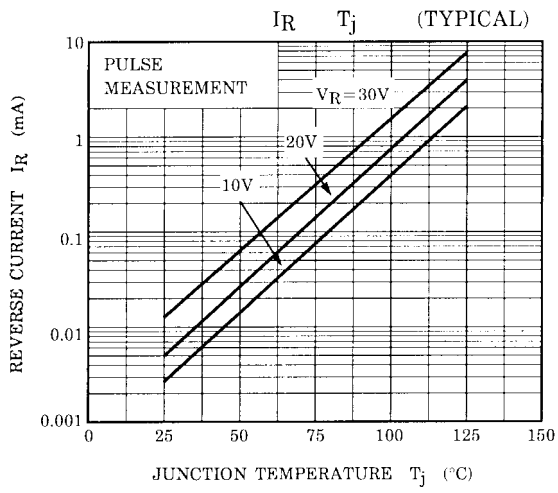
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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

STANDARD SOLDERING PAD MARKING







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