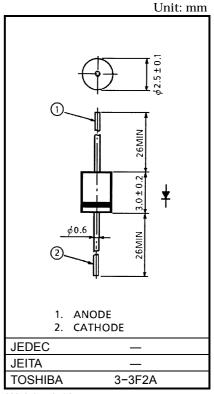
TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

1GWJ43

HIGH SPEED RECTIFIER APPLICATIONS

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Forward Current	I _{F (AV)}	1.0	Α
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	25 (50Hz)	Α
Junction Temparature	Tj	-40~125	°C
Storage Temparature Range	T _{stg}	-40~125	°C

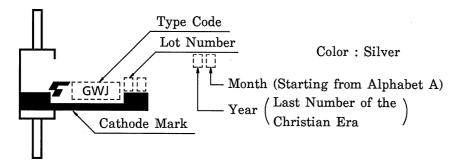


Weight: 0.18g

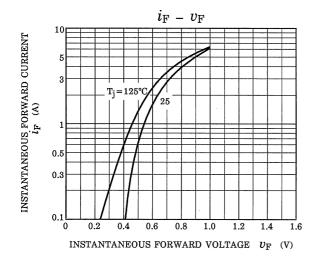
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

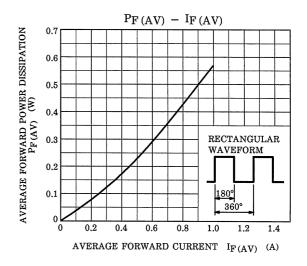
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 1.0A	_	_	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 40V	_	_	0.5	mA
Reverse Recovery Time	t _{rr}	$I_F = 1.0A$, di / dt = $-30A$ / μ s	_	_	35	ns
Junction Capacitance	Cj	V _R = 10V, f = 1MHz	_	47	_	pF

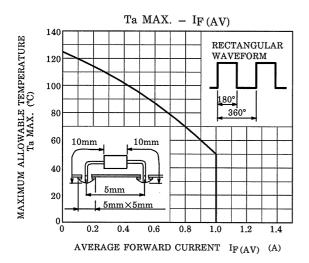
MARKING

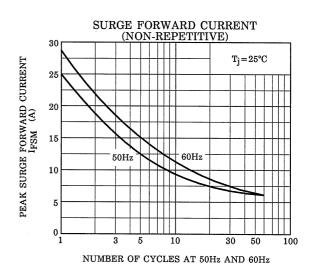


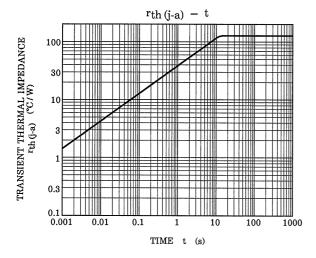
CODE	TYPE
GWJ	1GWJ43

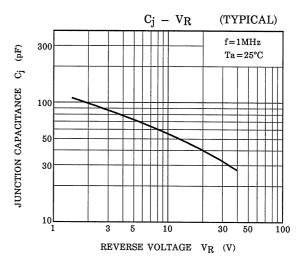




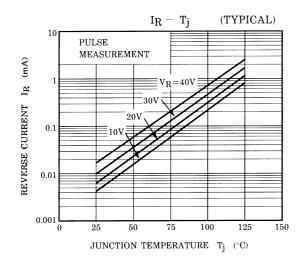


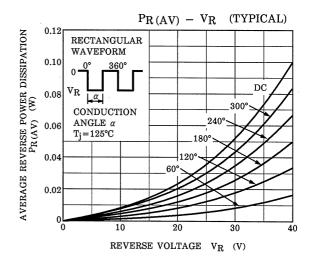






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