TOSHIBA

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

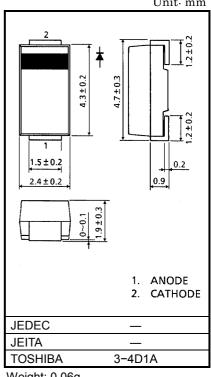
U05GH44,U05JH44

HIGH SPEED RECTIFIER APPLICATIONS (FAST RECOVERY)

- Repetitive Peak Reverse Voltage $: V_{RRM} = 400, 600V$
- Average Forward Current $: I_F (AV) = 0.5A$
- Reverse Recovery Time $t_{rr} = 1.5 \mu s$
- Surface Mounting Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	U05GH44	V _{RRM}	400	V	
	U05JH44	∧ KKW	600		
Average Forward Current		I _{F (AV)}	0.5	А	
Peak One Cycle Surge Forward Current (Non-Repetitive)		I _{FSM}	20 (50H _Z)	А	
Junction Temperature Range		Тj	-40~125	°C	
Storage Temperature Range		T _{stg}	-40~125	°C	



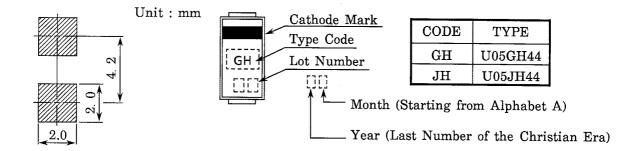
Weight: 0.06g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 0.5A			1.2	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = Rated	_		10	μA
Reverse Recovery Time	t _{rr}	I _F = 20mA, I _R = 1mA			1.5	μs

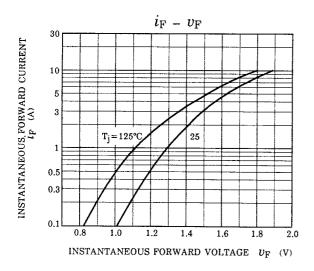
STANDARD SOLDERING PAD

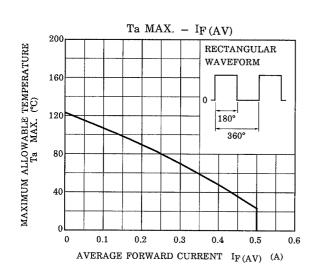
MARKING

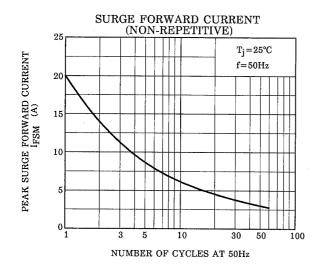


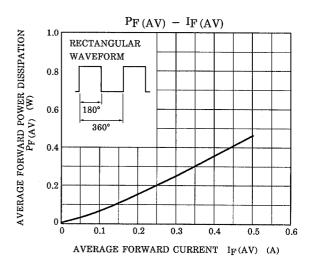
Unit: mm

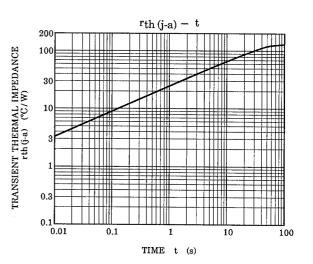
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