TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

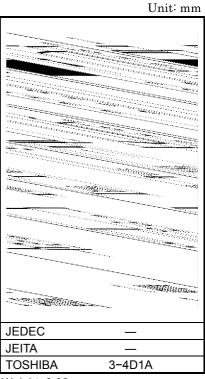
# U05GH44,U05JH44

## HIGH SPEED RECTIFIER APPLICATIONS (FAST RECOVERY)

• Surface Mounting Plastic Mold Package

## **MAXIMUM RATINGS (Ta = 25°C)**

CHARACTERISTIC		SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	U05GH44	$V_{RRM}$	400	V	
	U05JH44	V KKM	600		
Average Forward Current		I <sub>F (AV)</sub>	0.5	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)		I <sub>FSM</sub>	20 (50H <sub>Z</sub> )	Α	
Junction Temperature Range		Tj	-40~125	°C	
Storage Temperature Range		T <sub>stg</sub>	-40~125	°C	

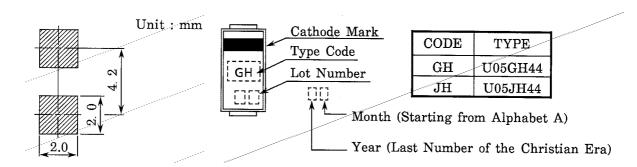


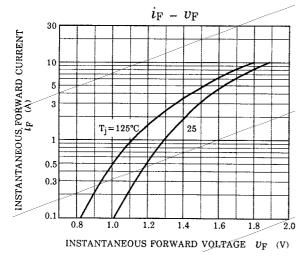
Weight: 0.06g

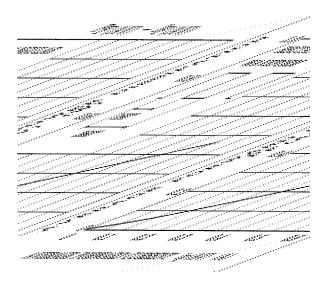
### **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

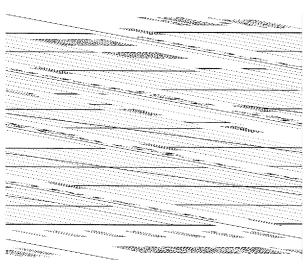
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> = 0.5A	_	_	1.2	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = Rated	_	-	10	μΑ
Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> = 20mA, I <sub>R</sub> = 1mA		_	1.5	μs

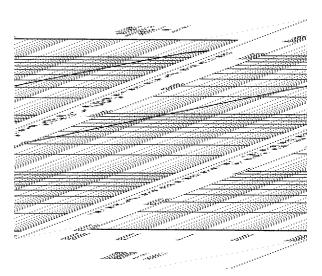
#### STANDARD SOLDERING PAD MARKING

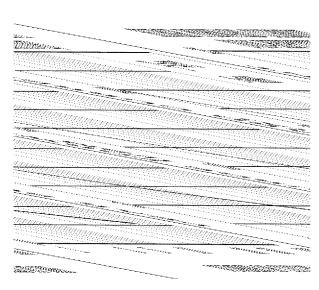












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