

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

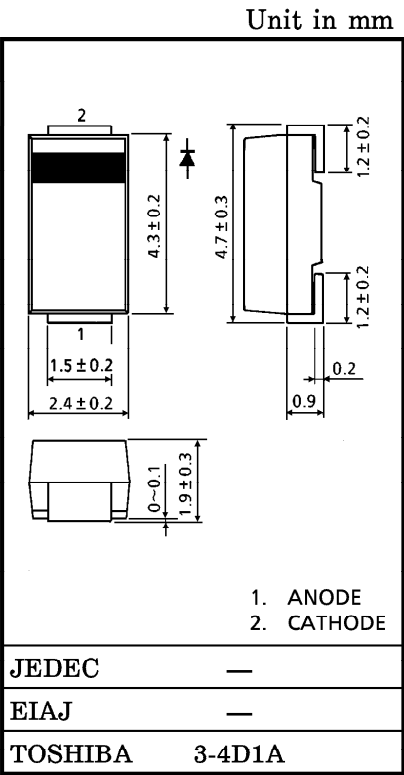
U05NH44, U05TH44

HIGH SPEED RECTIFIER APPLICATIONS
(FAST RECOVERY)

- Repetitive Peak Reverse Voltage : $V_{RRM}=1000, 1500V$
- Average Forward Current : $I_F(AV)=0.5A$
- Reverse Recovery Time : $t_{rr}=4\mu s$
- Surface Mounting Plastic Mold Package

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	U05NH44	V_{RRM}	1000	V
	U05TH44		1500	
Average Forward Current		$I_F(AV)$	0.5	A
I^2t Limit Value (t=1~10ms)		I^2t	2	A ² s
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	20 (50Hz)	A
Junction Temperature Range		T_j	-40~125	°C
Storage Temperature Range		T_{stg}	-40~125	°C

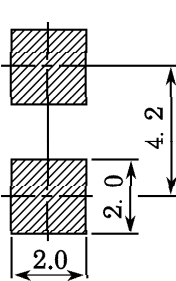


Weight : 0.06g

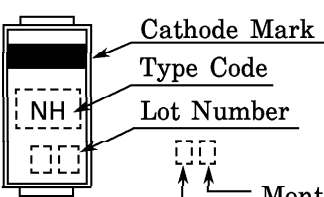
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=0.5A$	—	—	1.5	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}$	—	—	10	μA
Reverse Recovery Time	t_{rr}	$I_F=20mA, I_R=1mA$	—	—	4	μs

STANDARD SOLDERING PAD



MARKING



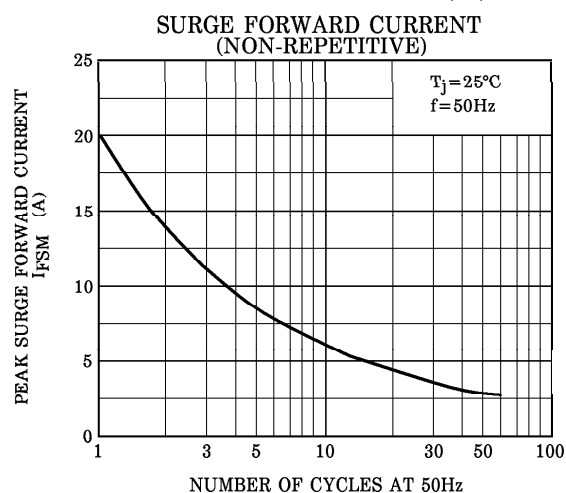
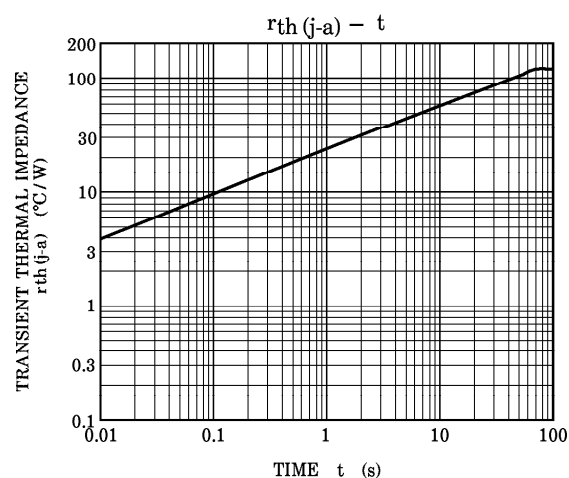
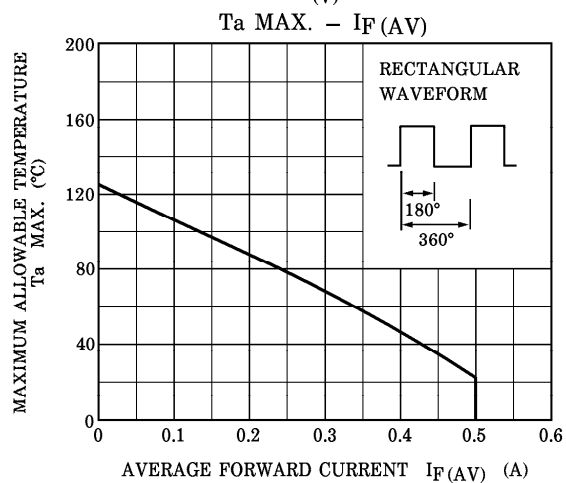
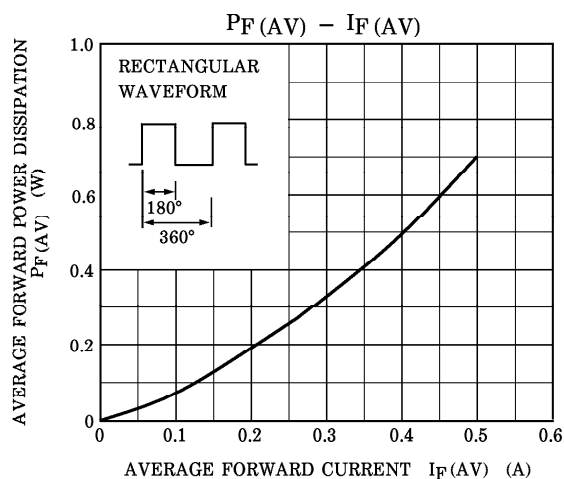
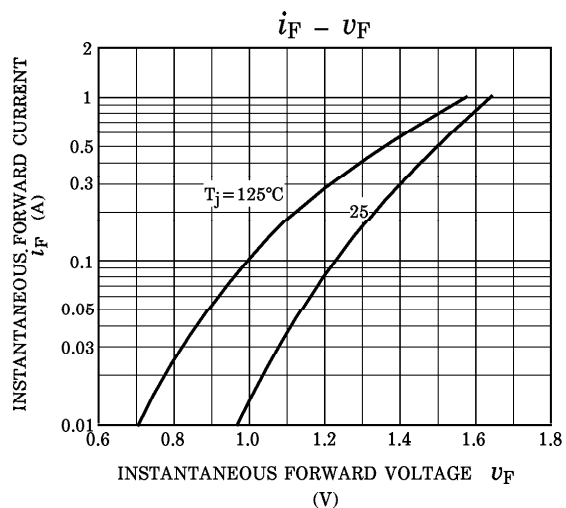
CODE	TYPE
NH	U05NH44
TH	U05TH44

Month (Starting from Alphabet A)

Year (Last Number of the Christian Era)

961001EAA2

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