

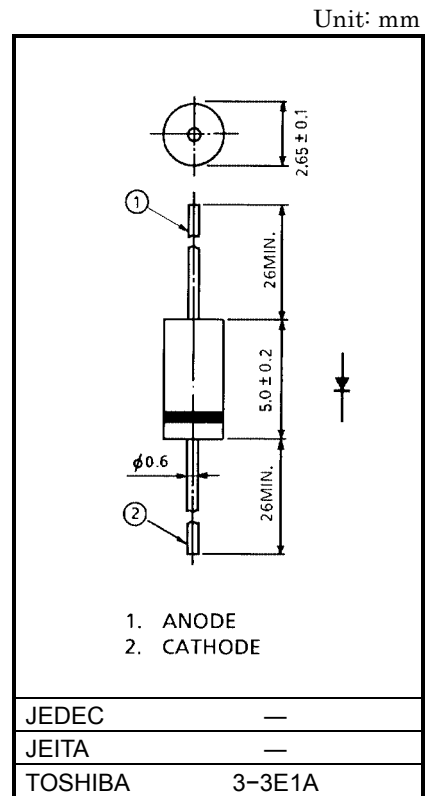
# 1NH41

## SWITCHING MODE POWER SUPPLY APPLICATIONS

- Repetitive Peak Reverse Voltage :  $V_{RRM} = 1000V$
- Average Forward Current :  $I_F (AV) = 1.0A$
- Very Fast Reverse-Recovery Time :  $t_{rr} = 400ns (Max)$

## MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	1000	V
Average Forward Current (Ta = 25°C)	$I_F (AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	30 (50Hz)	A
		33 (60Hz)	
Junction Temperature Range	$T_j$	-40~150	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C

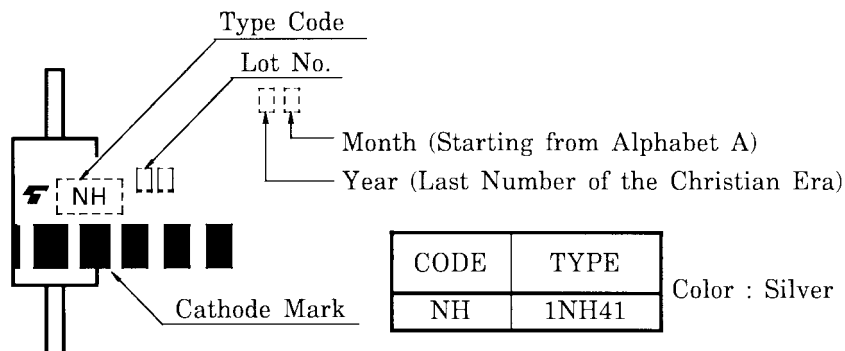


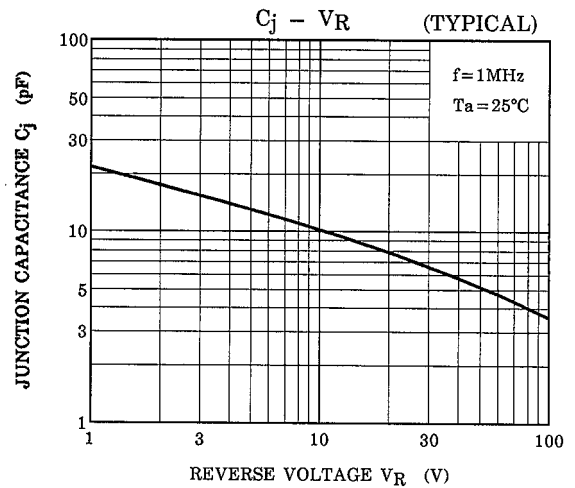
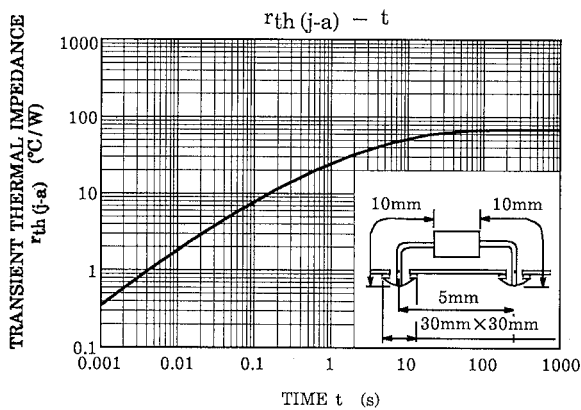
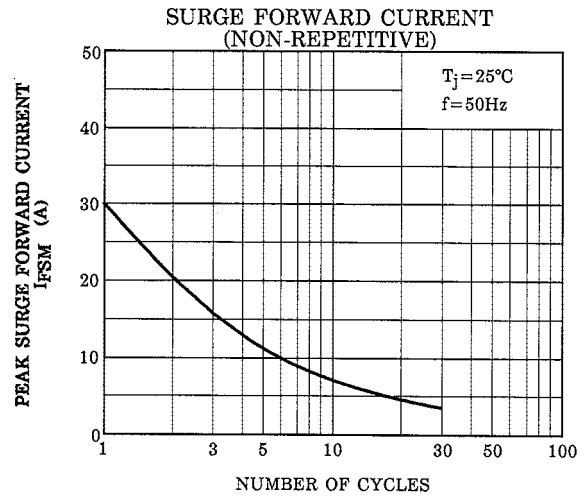
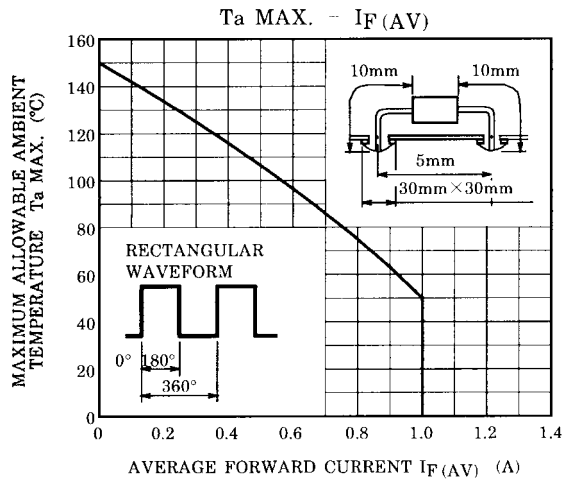
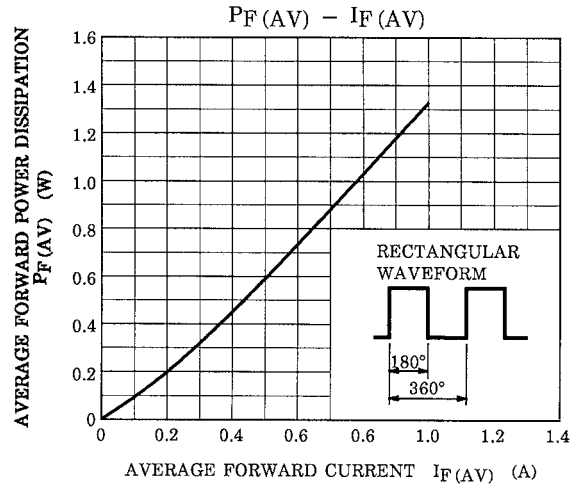
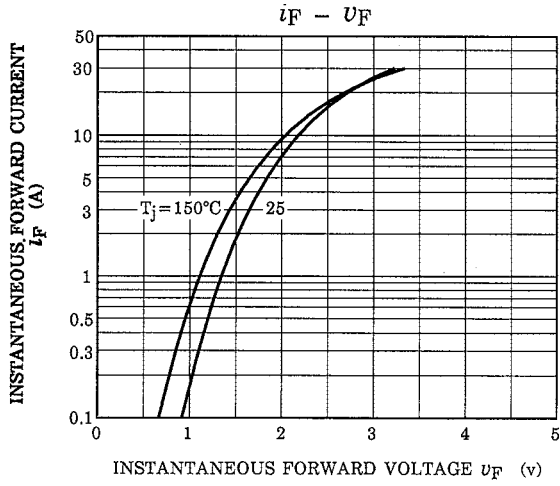
Weight: 0.225g

## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.0A$	—	—	1.3	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 1000V$	—	—	10	μA
Reverse Recovery Time	$t_{rr}$	$I_F = 1A, di / dt = -30A / \mu s$	—	—	400	ns
Forward Recovery Time	$t_{fr}$	$I_F = 1.0A$	—	—	1000	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	—	—	75	°C / W

## MARK





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