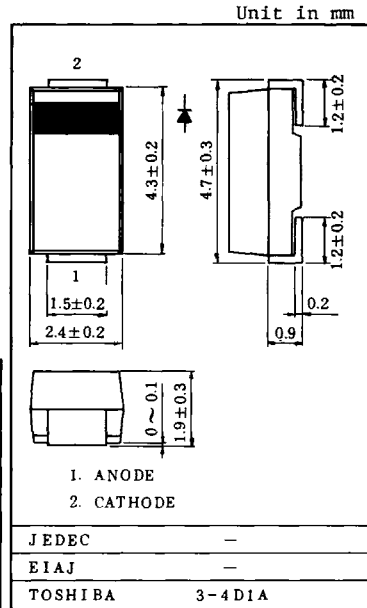


HIGH SPEED RECTIFIER APPLICATIONS.
(FAST RECOVERY)

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

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	U05NH44	1000	V
	U05TH44	1500	
Average Forward Current	$I_{F(AV)}$	0.5	A
I^2t Limit Value ($t=1\sim 10ms$)	I^2t	2	A^2sec
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	20(50Hz)	A
		22(60Hz)	
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~125	°C

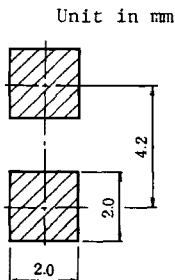


Weight : 0.06g

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

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



Mark

