



TAYCHIPST

RECTIFIER SILICON DIFFUSED TYPE

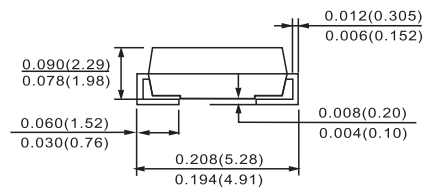
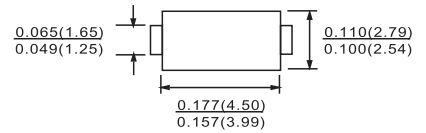
U05NH44,U05TH44

1000V, 1500V 0.5A

FEATURES

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

DO-214AC(SMA)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS (Ta = 25°C)

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 = 1~10ms)	I^2t	2	A^2s
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

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

RATINGS AND CHARACTERISTIC CURVES U05NH44 , U05TH44

