

Preliminary Datasheet

TSC 	TS4148 0.3 AMPS High Speed Switching Diode		
	Voltage Range 100 Volts Current 0.3 Ampere		
Features ✧ For surface mounted application ✧ Low forward voltage drop ✧ High current capability ✧ Fast switching for high efficiency ✧ High surge current capability ✧ Chip version in 1206 and 0805 ✧ High temperature soldering: 250°C / 10 seconds at terminals	<		

Notes: 1. Reverse Recovery Test Condition: $I_F = 10\text{mA}$, $V_R = 6\text{V}$, $R_L = 100\ \Omega$
2. Measured at 1 MHz and applied $V_R = 4.0\text{V}$

Rev.2 07/2003

Device Marking

Device has been marked indelibly and legibly
As follow



Packing

Package Name	TS4148 - 1206 - R7T4 Type - Size - Packing
Packing	R7 7" (180mm) Reel 5,000 pcs/reel R13 13" (330mm) Reel 15,000 pcs/reel T4 4mm Pitch Paper Tape

Tape Specification

Item	Symbol	Dimension
Punch hole width 1206 0805	A	2.00 ± 0.10 (0.080 ± 0.004) 1.65 ± 0.10 (0.066 ± 0.004)
Punch hole length 1206 0805	B	3.60 ± 0.10 (0.144 ± 0.004) 2.40 ± 0.10 (0.096 ± 0.004)
Sprocket hole	D	1.50 ± 0.05 (0.060 ± 0.002)
Sprocket hole position	E	1.75 ± 0.10 (0.070 ± 0.004)
Punch hole position	F	3.50 ± 0.05 (0.140 ± 0.002)
Sprocket hole pitch	P0	4.00 ± 0.10 (0.160 ± 0.004)
Punch hole pitch	P1	4.00 ± 0.10 (0.160 ± 0.004)
Punch hole center	P2	2.00 ± 0.05 (0.080 ± 0.002)
Base tape width	W0	8.00 ± 0.20 (0.320 ± 0.008)
Top/Bottom seal tape width	W1	5.25 ± 0.05 (0.210 ± 0.002)
Base tape thickness	T0	0.95 ± 0.02 (0.038 ± 0.0008)
Top seal tape thickness	T1	0.054 ± 0.005 (0.002 ± 0.0002)
Bottom seal tape thickness	T2	0.042 ± 0.005 (0.0016 ± 0.0002)

