



PASSIVE SMD

Surface Mount Device - 2 Terminal
Rectangular Passive Components
(mostly resistors and capacitors)

01005 0.4 mm x 0.2 mm		Cannot be placed by some assembly manufacturers.
0201 0.6 mm x 0.3 mm		
0402 1.0 mm x 0.5 mm		
0603 1.6mm x 0.8		
0805 2.0 mm x 1.25 mm		
1008 2.5 mm x 2.0 mm		
1206 3.2 mm x 1.6 mm		
1210 3.2 mm x 2.5 mm		
1806 4.5 mm x 1.6 mm		
1812 4.5 mm x 3.2 mm		
2010 5.0 mm x 2.5 mm		
2512 6.4 mm x 3.2 mm		
2920 7.4 mm x 5.1 mm		



TANTALUM CAPACITORS

Top Side

0805 EIA 2012-12
2.0 mm x 1.3 mm x 1.2 mm

TANT - A

1206 EIA 3216-10
3.2 mm x 1.6 mm x 1.0 mm

1206 EIA 3216-12
3.2 mm x 1.6 mm x 1.2 mm

1206 EIA 3216-18
3.2 mm x 1.6 mm x 1.8 mm

TANT - B

1411 EIA 3528-12
3.5 mm x 2.8 mm x 1.2 mm

1411 EIA 3528-21
3.5 mm x 2.8 mm x 2.1 mm

TANT - C

2412 EIA 6032-15
6.0 mm x 3.2 mm x 1.5 mm

2412 EIA 6032-28
6.0 mm x 3.2 mm x 2.8 mm

TANT - D

2917 EIA 7343-20
7.3 mm x 4.3 mm x 2.0 mm

2917 EIA 7343-31
7.3 mm x 4.3 mm x 3.1 mm

2917 EIA 7343-43
7.3 mm x 4.3 mm x 4.3 mm



ALUMINUM CAPACITORS

3.3 mm x 3.3 mm



4.3 mm x 4.3 mm



5.3 mm x 5.3 mm



6.6 mm x 6.6 mm



8.3 mm x 8.3 mm



10.3 mm x 10.3 mm



13.0 mm x 13.0 mm



13.5 mm x 13.5 mm



17.0 mm x 17.0 mm



19.0 mm x 19.0 mm



SOD

Small Outline Diode

Top Side

SOD-723
1.4 x 0.6 x 0.59 mm



SOD-523
1.25 x 0.85 x 0.65 mm



SOD-323 (SC-90)
1.7 x 1.25 x 0.95 mm



SOD-128
5 x 2.7 x 1.1 mm



SOD-123
3.68 x 1.17 x 1.60 mm



DO

Diode Outline

Top Side

DO-214AA (SMB)
5.30 x 3.60 x 2.25 mm



DO-214AB (SMC)
7.95 x 5.90 x 2.25 mm



DO-214AC (SMA)
5.20 x 2.60 x 2.15 mm



MELF

Metal Electrode Leadless Face

Top Side

MicroMelf (MMU) 0102
2.2 mm x 1.1 mm x 1.1 mm



MiniMelf (MMA) 0204
3.6 mm x 1.4 mm x 1.4mm



Melf (MMB) 0207
5.8 mm x 2.2 mm x 2.2 mm





www.aa-pcbassembly.com
 1-800-838-5650
 20100 E. 32nd Pkwy #225
 Aurora, CO 80011

Component Sizing Chart

Dimensions shown to scale on 8.5x14in paper



SOT

Small Outline Transistor

Outline Represents Component Body Without Leads

Top Side

SOT-23 (SC-59, TO-236-3)
2.9 mm x 1.3 x 1.3

SOT-323 (SC-70)
2 mm x 1.25 mm x 0.95 mm

SOT-416 (SC-75)
1.6 mm x 0.8 mm x 0.8 mm

SOT-663
1.6 mm x 1.6 mm x 0.55 mm

SOT-723
1.2 mm x 0.8 mm x 0.5 mm

SOT-883 (SC-101)
1 mm x 0.6 mm x 0.5 mm

Top Side

SOT-223
6.7 mm x 3.7 mm x 1.8 mm

SOT-89
4.5 mm x 2.5 mm x 1.5 mm

3 Terminal

4 Terminal

SOT (Continued)

Top Side

SOT-23-5 (SOT-25, SC-74A)
2.9 mm x 1.3

SOT-353 (SC-88A)
2 mm x 1.25 mm x 0.95 mm

SOT-891
1.05 mm x 1.05 mm x 0.5 mm

SOT-953
1 mm x 1 mm x 0.5 mm

SOT-963
1 mm x 1 mm x 0.5 mm

SOT-1115
0.9 mm x 1 mm x 0.35 mm

Top Side

SOT-1202
1 mm x 1 mm x 0.35 mm

SOT-23-6 (SOT-26, SC-74)
2.9 mm x 1.3 x 1.3

SOT-363 (SC-88, SC-70-6)
2 mm x 1.25 mm x 0.95 mm

SOT-563
1.6 mm x 1.2 mm x 0.6 mm

SOT-665
1.6 mm x 1.6 mm x 0.55 mm

SOT-666
1.6 mm x 1.6 mm x 0.55 mm

SOT-886
1.05 mm x 1.05 mm x 0.5 mm

SOT-886
1 mm x 1.45 mm x 0.5 mm

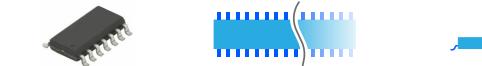
5 Terminal

6 Terminal

HIGH PIN COUNT

SOIC/SOP

Small Outline Integrated Circuit
Small Outline Package
Multiple Size Configurations



DIP

Dual Inline Package
Multiple Lengths x 6.4 mm x 3.3 mm



BGA

Ball Grid Array
Multiple Size Configurations



QFN

Quad Flat No-Leads
Multiple Size Configurations



QFP

Quad Flat Package
Multiple Size Configurations

