

SMD REFERENCE SHEET

PASSIVE RECTANGULAR

SMD PACKAGE	DIMENSIONS (mm)	DIMENSIONS (in)
01005	0.4 x 0.2	0.016 x 0.008
0201	0.6 x 0.3	0.02 x 0.01
0402	1.0 x 0.5	0.04 x 0.02
0603	1.5 x 0.8	0.06 x 0.03
0805	2.0 x 1.3	0.08 x 0.05
1008	2.5 x 2.0	0.10 x 0.08
1206	3.0 x 1.5	0.12 x 0.06
1210	3.2 x 2.5	0.125 x 0.10
1806	4.5 x 1.6	0.18 x 0.06
1812	4.6 x 3.0	0.18 x 0.125
2010	5.0 x 2.5	0.20 x 0.10
2512	6.3 x 3.2	0.25 x 0.125

SOD SMALL OUTLINE DIODE

SOD PACKAGE TYPE	DIM (mm)
SOD-723	1.4 x 0.6 x 0.59
SOD-523	1.25 x 0.85 x 0.65
SOD-323	1.7 x 1.25 x 0.95
SOD-128	5 x 2.7 x 1.1
SOD-123	3.68 x 1.17 x 1.6
SOD-80C	3.5 x 1.5

DO-214

DO PACKAGE TYPE	DIM (mm)
DO-214AA (SMB)	5.3 x 3.6 x 2.25
DO-214AB (SMC)	7.95 x 5.9 x 2.25
DO-214AC (SMA)	5.2 x 2.6 x 2.15

MELF METAL ELECTRODE LEADLESS FACE

SMD PACKAGE TYPE	DIMENSIONS (mm)	RATING
MicroMELF / 0102	2.2 x 1.1	0.2 - 0.3W / 150V
MiniMELF / 0204	3.6 x 1.4	0.25 - 0.4W / 200V
MELF / 0207	5.8 x 2.2	0.4 - 1W / 300V

TANTALUM CAPACITORS

SMD PACKAGE	DIMENSIONS (mm)	EIA STANDARD
Size A	3.2 x 1.6 x 1.6	EIA 3216-18
Size B	3.5 x 2.8 x 1.9	EIA 3528-21
Size C	6.0 x 3.2 x 2.2	EIA 6032-28
Size D	7.3 x 4.3 x 2.4	EIA 7343-31
Size E	7.3 x 4.3 x 4.1	EIA 7343-43

ALUMINIUM CAPACITORS

SMD PACKAGE	DIMENSIONS (mm)
Size A	3.3 x 3.3
Size B	4.3 x 4.3
Size C	5.3 x 5.3
Size D	6.6 x 6.6
Size E / F	8.3 x 8.3
Size G	10.3 x 10.3

SOT-23	SOT-223	TO-252	TO-263
SO8	TSSOP8	SSOP8	SOP8
3.8 x 4.8	3.1 x 4.5	2.9 x 3.15	6.5 x 5.6

PCB TRACK WIDTH

(mil)	(mm)
6	0.1
8	0.2
10	0.25
12	0.3
14	0.35
16	0.4
18	0.45
20	0.5
24	0.6
30	0.75
40	1.0
60	1.5

PCB VIAS

0.5	0.6	0.7	0.8	0.9	1.0

AWG Ø MM WIRE SIZE AMPERE

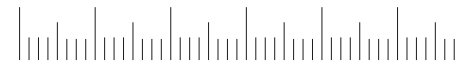
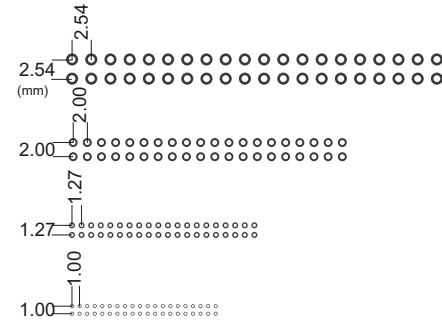
10	2.59	55
15	1.45	28
20	0.81	11
25	0.45	2.7
28	0.32	1.4
30	0.25	0.86



HOLE DIAMETERS

0.5	0.6	0.7	0.8	0.9	1.0

PITCH REFERENCE



Targets are 100 mm apart Horiz and Vert

V 1.0.3c
R : 2023/12/19
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QFN32	32 TQFP
5.0 x 5.0	7.0 x 7.0