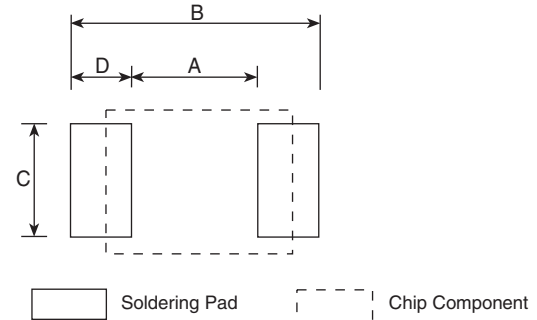


standard soldering pad dimensions

The optimum soldering pad dimensions may differ depending on soldering conditions, however, the following land dimensions are generally recommended.

Flat Type Components



Type	Style	Dimensions millimeters					
		Component Size	A	B	C	D	
WG73	1E	0.5 X 1.0	0.2	1.1	1.0	0.45	
	1J	0.8 X 1.6	0.4	1.7	1.6	0.65	
	2A	1.25 X 2.0	0.55	2.35	2.0	0.9	
	WK73	2B/2B15	1.6 X 3.2	0.7	2.3	3.2	0.8
	WU73	2H/2H2	2.5 X 5.0	1.0	3.5	5.0	1.25
	2J	3.1 X 4.6	1.6	3.9	4.75	1.15	
	3A/3A3	3.1 X 6.4	1.6	3.9	6.4	1.15	
RK73 RS73 SG73 RN73R RN73H SR73 LT73 NT73 RF73 HV73 LP73 SDT73	1F	0.4 X 0.2	0.12	0.48	0.18	0.18	
	1H	0.6 X 0.3	0.25	0.7	0.3	0.225	
	1E	1.0 X 0.5	0.5	1.3	0.3	0.4	
	1J	1.6 X 0.8	1.0	2.0	0.6	0.5	
	2A	2.0 X 1.25	1.3	2.5	1.05	0.6	
	2B	3.2 X 1.6	2.2	4.0	1.4	0.9	
	2E	3.2 X 2.5	2.2	4.0	2.3	0.9	
	W2H/2H	5.0 X 2.5	3.3	6.1	2.3	1.4	
	3A/W3W/ W3A2	6.4 X 3.2	4.6	8.0	3.0	1.7	
SL/TSL	07, W07	5.0 X 2.5	2.3	7.0	2.6	2.35	
	1, W1	6.3 X 3.1	3.4	8.0	3.0	2.3	
	2-3	11.5 X 7.0	5.4	15.0	5.0	4.8	
SLR	1	6.3 X 3.1	3.4	8.0	3.0	2.3	
SLP	2H, 2HW	5.1 X 2.5	3.3	6.1	3.0	1.4	
	3A, 3AW	6.35 X 3.2	4.1	7.55	3.7	1.725	
SLN	2, 3, 5	11.5 X 7.0	5.0	15.0	6.0	5.0	
CCP	2E	3.2 X 2.5	2.2	5.0	2.0	1.4	
	2B	3.2 X 1.6	2.2	5.0	1.4	1.4	
CCF	1N, 1F	6.0 X 2.5	3.0	7.2	2.8	2.1	
LPC	4045	4.5 X 4.0	1.5	5.1	3.5	1.8	
	4235	4.5 X 4.2	1.9	5.5	2.6	1.8	
	4545	4.1 X 4.6	2.9	5.3	4.7	1.2	
KQT	0402	1.0 X 0.5	0.46	1.18	0.66	0.36	
KQ KQC	0603	1.6 X 1.0	0.8	2.0	1.02	0.60	
	0805	2.0 X 1.5	0.76	2.8	1.78	1.02	
	1008	2.5 X 2.2	1.27	3.31	2.54	1.02	
CZB CZP MHL	1E	0.50 X 0.10	0.4	1.6	0.6	—	
	1J	0.80 X 1.6	0.55	2.6	0.94	—	
	2A	1.25 X 2.0	0.66	3.0	1.45	—	
	2B	1.6 X 3.2	1.5	4.4	1.8	—	
TF	10	1.0 X 0.5	0.5	1.5	0.5	0.5	
	16	1.6 X 0.8	1.0	2.4	0.8	0.7	

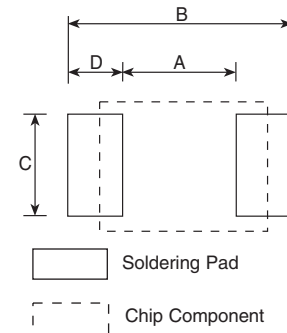
Type	Style	Dimensions millimeters				
		Component Size	A	B	C	D
TLR	1E	1.0 X 0.5	0.2	1.3	0.6	0.55
	2A	2.0 X 1.25	0.5	2.5	1.3	1.0
	2BW/2BP (0.5mΩ)	3.2 X 1.6	0.6	4.0	1.8	1.7
	2BN/2B/ 2BW/2BP (1mΩ, 1.5mΩ)	3.2 X 1.6	0.8	4.0	1.8	1.6
	2BN/2B/ 2BW/2BP (2mΩ-20mΩ)	3.2 X 1.6	1.4	4.0	1.8	1.3
	2H, 2HW (0.5mΩ, 1mΩ)	5.0 X 2.5	1.0	6.1	3.0	2.55
	2H, 2HW (2mΩ-6mΩ)	5.0 X 2.5	1.3	6.1	3.0	2.4
	2H, 2HW (7mΩ-10mΩ)	5.0 X 2.5	3.3	6.1	3.0	1.4
	3AW (0.5-0.82mΩ)	6.35 X 3.18	0.8	7.55	3.83	3.375
	3AW (1mΩ-4mΩ)	6.35 X 3.18	1.45	7.55	3.83	3.05
	3AW (5mΩ-8mΩ)	6.35 X 3.18	3.45	7.55	3.83	2.05
	3AW (9mΩ, 10mΩ)	6.35 X 3.18	4.40	7.55	3.83	1.575
	3AP (0.5-0.82mΩ)	6.35 X 3.18	0.80	7.55	3.83	3.375
	3AP (1mΩ)	6.35 X 3.18	1.45	7.55	3.83	3.05
	3AP (2mΩ)	6.35 X 3.18	1.05	7.55	3.83	3.25
	3AP (3mΩ-4mΩ)	6.35 X 3.18	1.45	7.55	3.83	3.05
	3AP (5mΩ-8mΩ)	6.35 X 3.18	3.45	7.55	3.83	2.05
	3AP (9mΩ-10mΩ)	6.35 X 3.18	4.40	7.55	3.83	1.575
	3APS	6.35 X 3.18	3.45	7.55	3.83	2.05
	TLRH	2A	2.0 X 1.25	0.5	2.5	1.3
3AW		6.3 X 3.2	4.4	7.5	3.7	1.55
3AP		6.3 X 3.2	2.15	7.55	3.83	2.7

standard soldering pad dimensions (continued)

The optimum soldering pad dimensions may differ depending on soldering conditions, however, the following land dimensions are generally recommended.

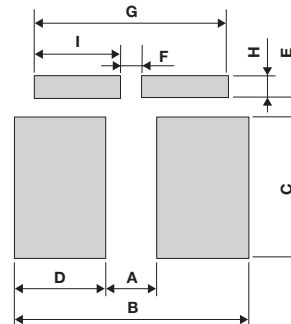
Type	Style	Dimensions millimeters				
		Component Size	A	B	C	D
TLRZ	1E	1.0 X 0.5	0.5	1.3	0.6	0.4
	1J	1.6 X 0.8	0.5	2.0	0.9	0.75
	2A	2.0 X 1.25	0.5	2.5	1.45	1.0
	2B	3.2 X 1.6	2.2	3.8	1.8	0.8
UR73	2A	2.0 X 1.25	1.3	2.6	1.1	0.65
	2B	3.2 X 1.6	2.2	4.2	1.6	1.0
UR73D	1E	1.0 X 0.5	0.4	1.7	0.5	0.65
	1J	1.6 X 0.8	0.5	2.5	0.9	1.0
	2A	2.0 X 1.25	0.8	3.4	1.3	1.3
	2B	3.2 X 1.6	1.2	4.6	1.8	1.7
	2H (10mΩ-30mΩ)	5.0 X 2.5	1.8	6.1	2.6	2.15
	2H (33mΩ-100mΩ)	5.0 X 2.5	3.3	6.1	2.5	1.4
	3A (10mΩ-30mΩ)	6.3 X 3.1	2.3	8.0	3.3	2.85
UR73V	2A	2.0 X 1.25	1.2	3.4	1.3	1.1
	2B	3.2 X 1.6	2.2	4.2	1.6	1.0
UR73VD	2A (10m-18m)	2.0 X 3.1	0.6	3.4	1.3	1.4
	2A (20m-36m)	2.0 X 3.1	0.8	3.4	1.3	1.3
	2B (10m-13m)	3.2 X 1.6	0.7	4.4	1.6	1.85
	2B (15m-16m)	3.2 X 1.6	0.9	4.4	1.6	1.75
	2B (18m-20m)	3.2 X 1.6	1.0	4.4	1.6	1.7
NV73 NV73DL	2B (22m-27m)	3.2 X 1.6	1.2	4.4	1.6	1.6
	1H	0.6 X 0.3	0.25-0.35	0.65-0.95	0.25-0.35	0.2-0.3
	1E	1.0 X 0.5	0.51	1.73	0.51	0.61
	1J	1.6 X 0.8	1.0	3.0	1.0	1.0
	2A	2.0 X 1.25	1.2	4.0	1.2	1.4
	2B	3.2 X 1.6	2.2	5.0	1.3	1.4
NV73DS	2E	3.2 X 2.5	2.2	5.0	2.2	1.4
	2J	4.5 X 3.2	3.0	5.8	2.9	1.4
	2L	5.7 X 5.0	4.5	7.5	4.7	1.5
	2L	6.1 X 5.1	4.5	7.5	4.7	1.5
PS	L	6.3 X 3.15	3.4	7	3.4	1.8
	J	10.0 X 5.2	5.6	11	6.2	2.7

Flat Type Components



current sense resistor—PSG/PSF

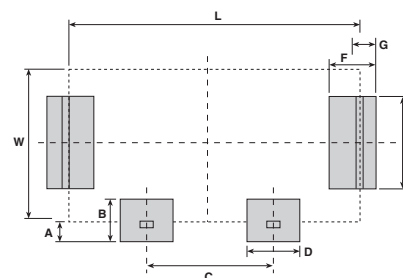
Type	Dimensions inches (mm)								
	A	B	C	D	E	F	G	H	I
PSG4 (2725)	.078 (2.0)	.370 (9.4)	.220 (5.6)	.146 (3.7)	.031 (0.8)	.031 (0.8)	.307 (7.8)	.035 (0.9)	.138 (3.5)
PSF4 (1216)	.024 (0.6)	.142 (3.6)	.116 (2.95)	.059 (1.5)	.020 (0.5)	.024 (0.6)	.142 (3.6)	.028 (0.7)	.059 (1.5)



current sense resistor—CSR

Type	Dimensions inches (mm)								
	L	W	A	B	C	D	E	F	G
CSR1	.393 (10.0)	.236 (6.0)	.039 (1.0)	.078 (2.0)	.196 (5.0)	.062 (1.6)	.118 (3.0)	.078 (2.0)	.039 (1.0)
CSR2	.472 (12.0)	.314 (8.0)	.062 (1.6)	.125 (3.2)	.236 (6.0)	.086 (2.2)	.208 (5.3)	.090 (2.3)	.045 (1.15)

CSR

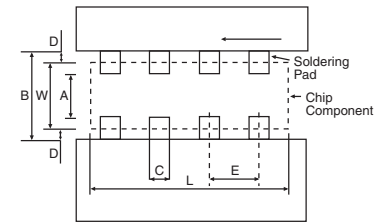


resistor arrays—CN

Type	Style	Dimensions								
		Component Size		A	B	C	D	E	F	G
		L*	W							
CNN	2A	2.54	2.0	1.2	2.8	0.6	0.4	1.27	—	—

* n = number of resistors

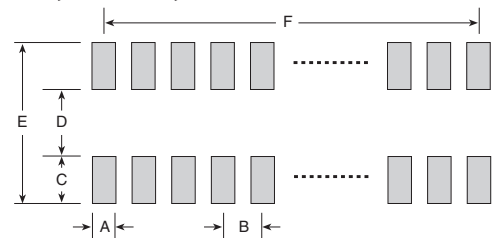
Chip Networks



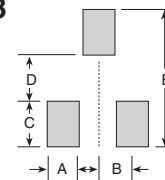
integrated passive devices—SOIC, TSSOP, QSOP & SOT23

Chip Size	Dimensions inches (mm)					
	A	B	C	D	E	F
N08	.028 (0.7)	.050 (1.27)	.094 (2.4)	.098 (2.5)	.287 (7.3)	.150 (3.81)
N14	.028 (0.7)	.050 (1.27)	.094 (2.4)	.098 (2.5)	.287 (7.3)	.300 (7.62)
N16	.028 (0.7)	.050 (1.27)	.094 (2.4)	.098 (2.5)	.287 (7.3)	.350 (8.89)
Q16	.012 (0.3)	.025 (0.63)	.050 (1.27)	.180 (4.56)	.280 (7.1)	.175 (4.45)
Q20	.012 (0.3)	.025 (0.63)	.050 (1.27)	.180 (4.56)	.280 (7.1)	.225 (5.72)
Q24	.012 (0.3)	.025 (0.63)	.050 (1.27)	.180 (4.56)	.280 (7.1)	.275 (6.99)
SOT23	.035 (0.9)	.037 (0.95)	.055 (1.4)	.031 (0.8)	.141 (3.6)	—

SOIC, TSSOP, QSOP



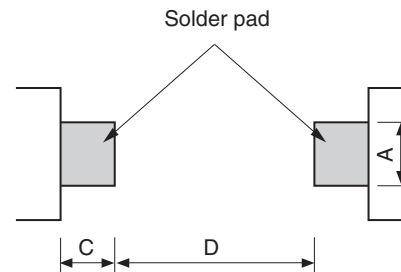
SOT23



melf type components—RD41, RN41, MLT, CC

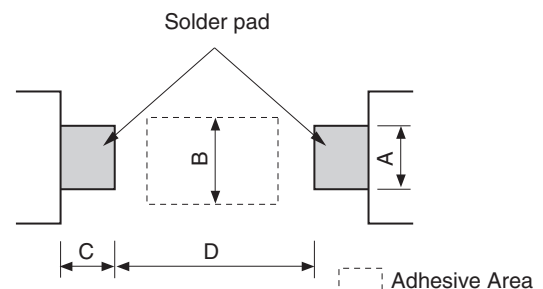
Reflow Soldering

Type	Style	Dimensions millimeters			
		Component Size	A	C	D
RD41 RN41 CC	2ES 12M	3.5 X 1.40	1.5	1.3	1.7
	2E 25	5.9 X 2.2	2.2	2.2	3.0
	3AS	5.9 X 2.2	15.0	15.0	4.0



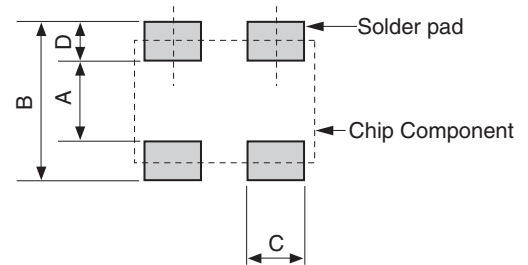
Flow Soldering

Type	Style	Dimensions millimeters				
		Component Size	A	B	C	D
RD41 RN41 CC	2ES 12M	3.5 X 1.40	1.5	2.2	1.5	2.0
	2E 25	5.9 X 2.2	2.0	3.0	3.0	4.0
	3AS	5.9 X 2.2	15.0	3.0	15.0	4.0



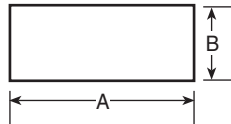
MWS

Type	Style	Dimensions millimeters					
		Component Size	A	B	C	D	E
MWS	5	16.9 X 8.6	2.2	6.2	2.5	2.0	14.1



other chips—RCS, RCT, RCU, RCW

Type	Dimensions millimeters	
	A	B
RCU	2.5-2.7	0.6-0.8
RCT	2.9-3.1	1.05-1.25
RCS	4.1-4.3	1.4-1.6
RCW		



power chip inductor—LPC

Type	Dimensions inches (mm)			
	A	B	C	D
LPC4045	.059 (1.5)	.201 (5.1)	.138 (3.5)	.071 (1.8)
LPC4235	.075 (1.9)	.217 (5.5)	.102 (2.6)	.071 (1.8)
LPC4545	.114 (2.9)	.209 (5.3)	.185 (4.7)	.047 (1.2)

