

- Extremely low inductance and impedance
- Superior decoupling to conventional capacitors

Capacitance tolerance -25% to +100%
Voltage rating 50V dc max
Operating temperature -10°C to +85°C

IC DIL Package	Capacitance μF	Pin Spacing	V _{CC}	Pin Outs GND	Dummy Pins	Order Code
14	0.02	0.6" 0.3"	14	7	1, 8	148-173
16	0.03	0.7" 0.3"	16	8	1, 9	148-174
18	0.03	0.8" 0.3"	18	9	1, 10	148-175
20	0.03	0.9" 0.3"	20	10	1, 11	148-176
24	0.03	1.1" 0.6"	24	12	1, 13	148-177
28	0.07	1.3" 0.6"	28	14	1, 15	148-178
40	0.03	1.9" 0.6"	40	20	1, 21	148-179
40	0.1	1.9" 0.6"	40	20	1, 21	148-180

CAP28

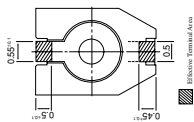
IC DIL Package	μF	Order Code	1+	50+	100+	500+
14	0.02	148-173				
16	0.03	148-174				
18	0.03	148-175				
20	0.03	148-176				
24	0.03	148-177				
28	0.07	148-178				
40	0.03	148-179				
40	0.1	148-180				

Trimmers

Variable capacitors with a wide choice of ranges and dielectrics to suit individual circuit requirements.

CAP120

CTZ2 Series – Surface Mount



L = 3.0, W = 2.5, H = 1.3
Supplied on 12mm embossed tape (reel = 2000pcs)



- Ultra small surface mount trimmers capacitors
- Extremely low profile 1.3mm
- Fully washable and suitable for use with reflow soldering

Operating temperature -25°C to +85°C

Capacitance (pF) Min.	Max.	Temperature Coefficient ppm/°C	Q Min. @ 1 MHz	Voltage Rating V dc	Mfrs. List No.	Order Code
2	3	±500	150	25	CTZ2E03AW1PF	578-344
3	5	±500	150	25	CTZ2E05AW1PF	578-356
2.5	5	±500	150	25	CTZ2E05CW1PF	578-368
3	10	±500	150	25	CTZ2E10AW1PF	578-370
5	20	±500	150	25	CTZ2E20CW1PF	578-381

CAP77

Capacitance (pF) Min.	Max.	Order Code	1+	25+	100+	500+	1000+
2	3	578-344					
3	5	578-356					
2.5	5	578-368					
3	10	578-370					
5	20	578-381					

TZC03 Series – Surface Mount



L = 4.5, W = 3.2, H = 1.6



- Low profile surface mount ceramic trimmer capacitor
- Compatible with both auto-placement and reflow soldering processes
- Colour coded for easy selection
- Easily adjusted using standard trimming tool

Operating temperature -25°C to +85°C

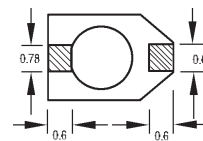
Capacitance (pF) Min.	Max.	Temperature Coefficient (ppm/°C)	Q Min. @ 1MHz C Max.	Voltage Rating (V dc)	Mfrs. List No.	Order Code
1.4	3	NPO±300	300	100	TZC03Z030A110	353-1405
2	6	NPO±300	500	100	TZC03Z060A110	353-1417
3	10	N750±300	500	100	TZC03R100A110	353-1429
5	20	N1200±500	300	100	TZC03P200A110	353-1430
6	30	N1200±500	300	100	TZC03P300A110	353-1442

CAP293

Order Multiple=5

Capacitance (pF) Min.	Max.	Colour	Order Code	5+	100+	500+	1000+
1.4	3	Brown	353-1405				
2.0	6	Blue	353-1417				
3.0	10	White	353-1429				
5.0	20	Red	353-1430				
6.5	30	Green	353-1442				

CTZ3 Series – Surface Mount



L = 4.5, W = 3.2, H = 1.8
Supplied on 12mm embossed tape (reel = 1000pcs)



- Surface mount trimmer capacitors
- Extremely low profile of 1.8mm
- Fully washable and suitable for use with reflow soldering

Operating temperature -25°C to +85°C

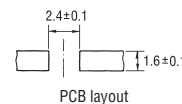
Capacitance (pF) Min.	Max.	Temperature Coefficient ppm/°C	Q Min. @ 1MHz C Max.	Voltage Rating V dc	Mfrs. List No.	Order Code
1	3	500	300	25	CTZ3E-03A-W1-PF	498-970
1.5	5	500	300	25	CTZ3E-05A-W1-PF	498-981
2.5	10	500	300	25	CTZ3E-10A-W1-PF	498-993
1.5	10	500	300	25	CTZ3E-10B-W1-PF	499-006
5	20	500	300	25	CTZ3E-20C-W1-PF	499-018
5	30	500	300	25	CTZ3E-30C-W1-PF	499-020
5	40	500	300	25	CTZ3E-40C-W1-PF	499-031
7	50	500	300	25	CTZ3E-50C-W1-PF	578-332

CAP148

Order Multiple=5

Capacitance pF Min.	Max.	Order Code	5+	25+	100+	500+	1000+
1	3	498-970					
1.5	5	498-981					
2.5	10	498-993					
1.5	10	499-006					
5	20	499-018					
5	30	499-020					
5	40	499-031					
7	50	578-332					

TZBX4 Series – Surface Mount



L = 4.5, W = 4.0, H = 3.0
Supplied on 12mm embossed tape (reel = 500 pcs)



- Washable chip trimmer capacitor
- Thermosetting resin case

Operating temperature -25°C to +85°C

Capacitance (pF) Min.	Max.	Temperature Coefficient ppm/°C	Q min @ 1MHz C Max.	Voltage Rating V d.c.	Mfrs. List No.	Order Code
1.4	3	200	300	100	TZBX4Z030BA110T00	499-420
2	6	200	500	100	TZBX4Z060BA110T00	499-432
3	10	300	500	100	TZBX4Z100BA110T00	499-444
4	25	300	300	50	TZBX4Z250BA110T00	499-456

CAP145

Order Multiple=5

Capacitance pF Min.	Max.	Colour Code	Order Code	5+	100+	500+	1000+
1.4	3	Brown	499-420				
2	6	Blue	499-432				
3	10	White	499-444				
4	25	Black	499-456				

continued