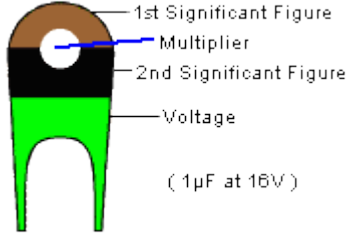


Capacitor Chart

Tantalum Capacitor Color Codes

Charts	Color	Color	1st Figure	2nd Figure	Multiplier	Voltage
 <p>(1µF at 16V)</p>		Black		0	1	10
		Brown	1	1	10	
		Red	2	2	100	
		Orange	3	3		
<p>Parallel Capacitance Math: $C_T = C_1 + C_2 + C_3$ Series Capacitance Math: $1/C_T = 1/C_1 + 1/C_2 + 1/C_3$</p>		Yellow	4	4		6.3
		Green	5	5		16
		Blue	6	6		20
		Violet	7	7		
		Grey	8	8	0.01	25
		White	9	9	0.1	3
		Pink				35

Mica Capacitor Values

Charts	Value	Multiplier	Letter	Tolerance
<p>1st Significant Figure 2nd Significant Figure Multiplier Tolerance</p> <p>104K</p> <p>(0.1µF ±10%)</p>	0	1	B	± 0.1pF
	1	10	C	± 0.25pF
	2	100	D	± 0.5pF
	3	1,000	F	± 1%
	4	10,000	G	± 2%
	5	100,000	H	± 3%
Parallel Capacitance Math: $C_T = C_1 + C_2 + C_3$ Series Capacitance Math: $1/C_T = 1/C_1 + 1/C_2 + 1/C_3$			J	± 5%
	8	0.01	K	± 10%
	9	0.1	M	± 20%

Capacitor Code Guide

VALUE	TYPE	CODE	VALUE	TYPE	CODE
1.5pF	Ceramic		1,000pF / .001uF	Ceramic / Mylar	102
3.3pF	Ceramic		1,500pF / .0015uF	Ceramic / Mylar	152
10pF	Ceramic		2,000pF / .002uF	Ceramic / Mylar	202
15pF	Ceramic		2,200pF / .0022uF	Ceramic / Mylar	222
20pF	Ceramic		4,700pF / .0047uF	Ceramic / Mylar	472
30pF	Ceramic		5,000pF / .005uF	Ceramic / Mylar	502
33pF	Ceramic		5,600pF / .0056uF	Ceramic / Mylar	562
47pF	Ceramic		6,800pF / .0068uF	Ceramic / Mylar	682
56pF	Ceramic		.01	Ceramic / Mylar	103
68pF	Ceramic		.015	Mylar	
75pF	Ceramic		.02	Mylar	203
82pF	Ceramic		.022	Mylar	223
91pF	Ceramic		.033	Mylar	333
100pF	Ceramic	101	.047	Mylar	473
120pF	Ceramic	121	.05	Mylar	503
130pF	Ceramic	131	.056	Mylar	563
150pF	Ceramic	151	.068	Mylar	683
180pF	Ceramic	181	.1	Mylar	104
220pF	Ceramic	221	.2	Mylar	204
330pF	Ceramic	331	.22	Mylar	224
470pF	Ceramic	471	.33	Mylar	334
560pF	Ceramic	561	.47	Mylar	474
680pF	Ceramic	681	.56	Mylar	564
750pF	Ceramic	751	1	Mylar	105
820pF	Ceramic	821	2	Mylar	205

Usually the first two digits of the code represent part of the value; the third digit corresponds to the number of zeros to be added to the first two digits. This is the value in pf.

General Capacitance Code breaker Charts

pico-farad (pF)	nano-farad (nF)	micro-farad (mF,uF or mfd)	capacitance code
1000	1 or 1n	0.001	102
1500	1.5 or 1n5	0.0015	152
2200	2.2 or 2n2	0.0022	222
3300	3.3 or 3n3	0.0033	332
4700	4.7 or 4n7	0.0047	472
6800	6.8 or 6n8	0.0068	682
10000	10 or 10n	0.01	103
15000	15 or 15n	0.015	153
22000	22 or 22n	0.022	223
33000	33 or 33n	0.033	333
47000	47 or 47n	0.047	473
68000	68 or 68n	0.068	683
100000	100 or 100n	0.1	104
150000	150 or 150n	0.15	154
220000	220 or 220n	0.22	224
330000	330 or 330n	0.33	334
470000	470 or 470n	0.47	474

RESISTANCE CHART

1 ST COLOUR	2 ND COLOUR	3 RD COLOUR				
		BLK	BRN	RED	ORG	YEL
BRN	BLK	10	100	1K	10K	100K
BRN	RED	12	120	1K2	12K	120K
BRN	GRN	15	150	1K5	15K	150K
BRN	GRY	18	180	1K8	18K	180K
RED	RED	22	220	2K2	22K	220K
RED	VIO	27	270	2K7	27K	270K
ORG	ORG	33	330	3K3	33K	330K
ORG	WHT	39	390	3K9	39K	390K
YEL	VIO	47	470	4K7	47K	470K
GRN	BLU	56	560	5K6	56K	560K
BLU	GRY	68	680	6K8	68K	680K
GRY	RED	82	820	8K2	82K	820K