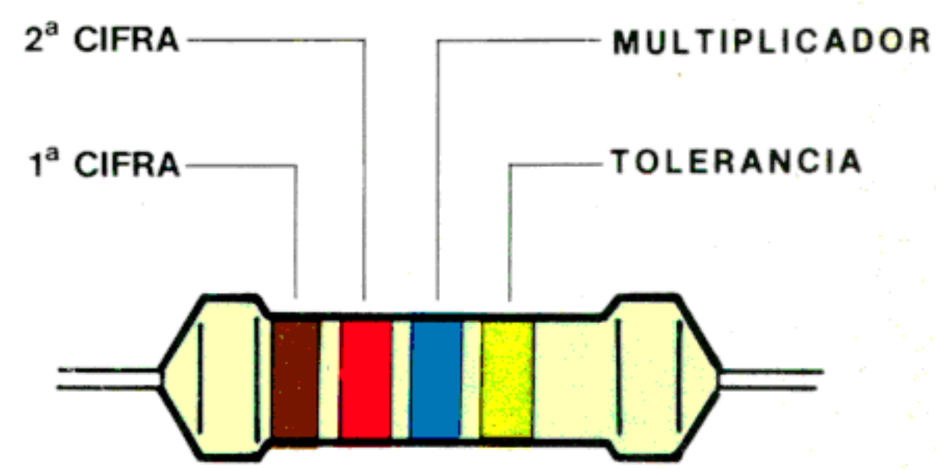
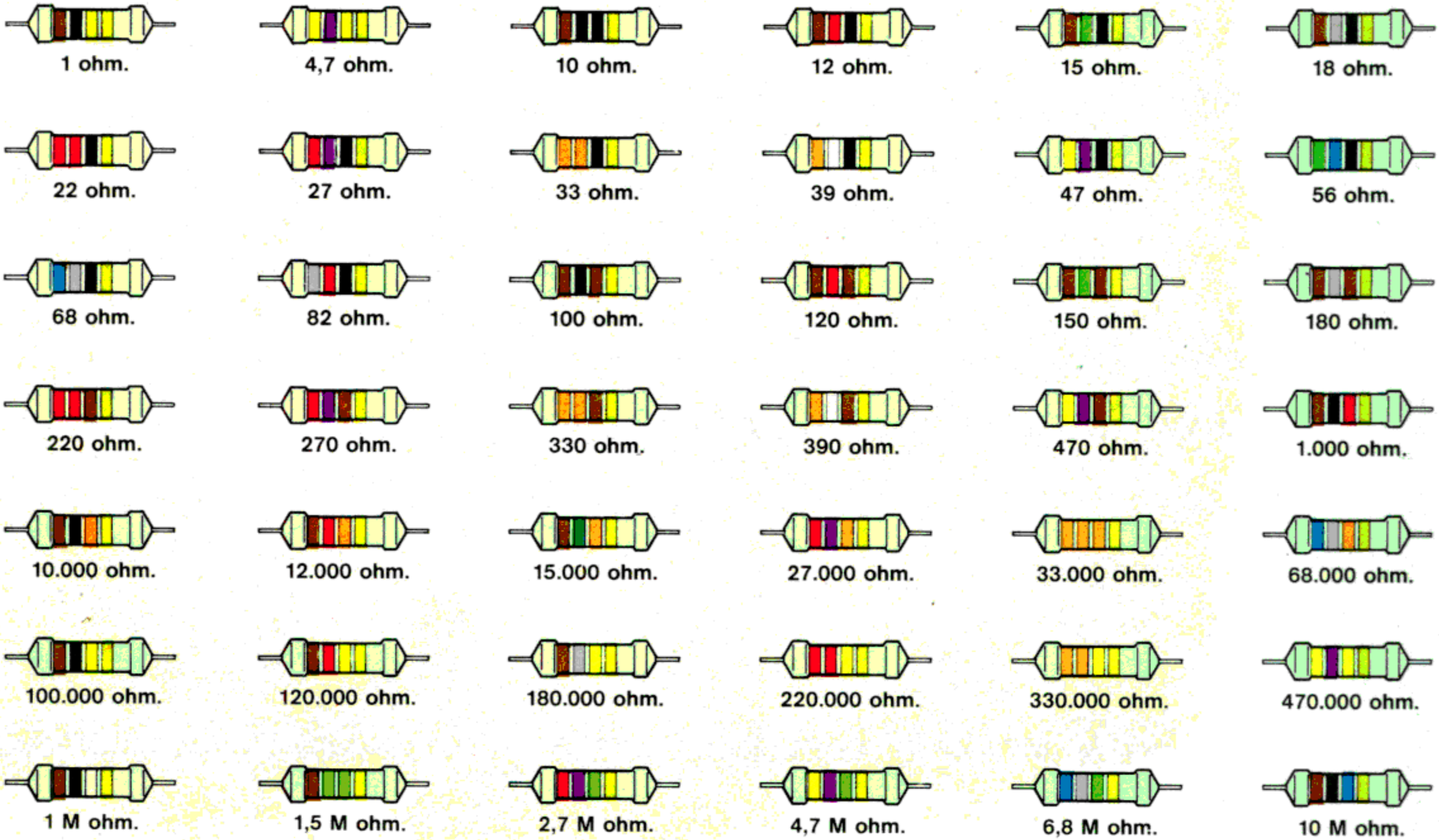
RESISTENCIAS DE CARBON

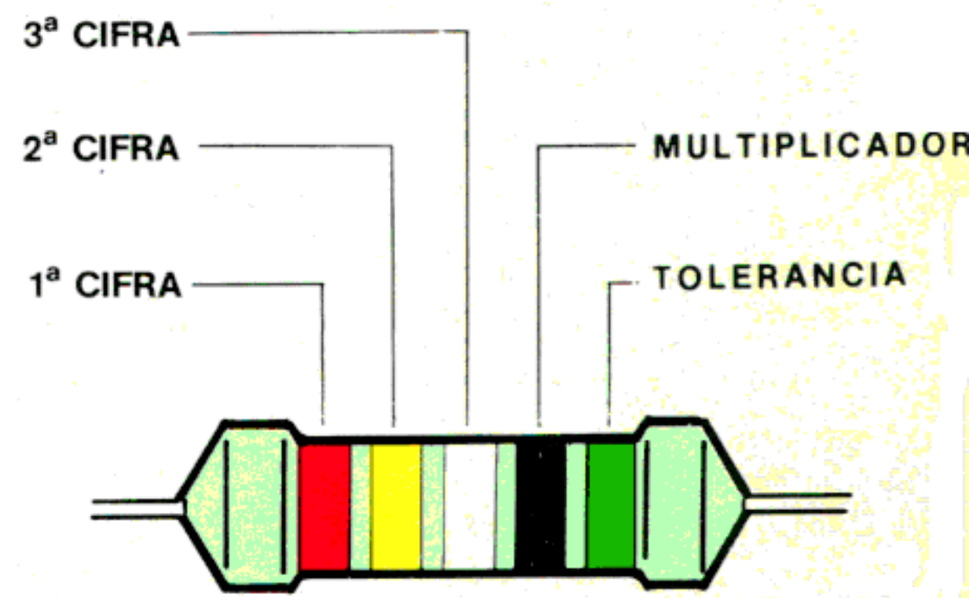
	1ª CIFRA	2ª CIFRA	MULTIPLICADOR	TOLERANCIA
NEGRO	–	0	x 1	10% PLATA
MARRON	1	1	x 10	5% ORO
ROJO	2	2	x 100	
NARANJA	3	3	x 1.000	
AMARILLO	4	4	x 10.000	
VERDE	5	5	x 100.000	
AZUL	6	6	x 1.000.000	
VIOLETA	7	7	ORO: 10	
GRIS	8	8		
BLANCO	9	9		

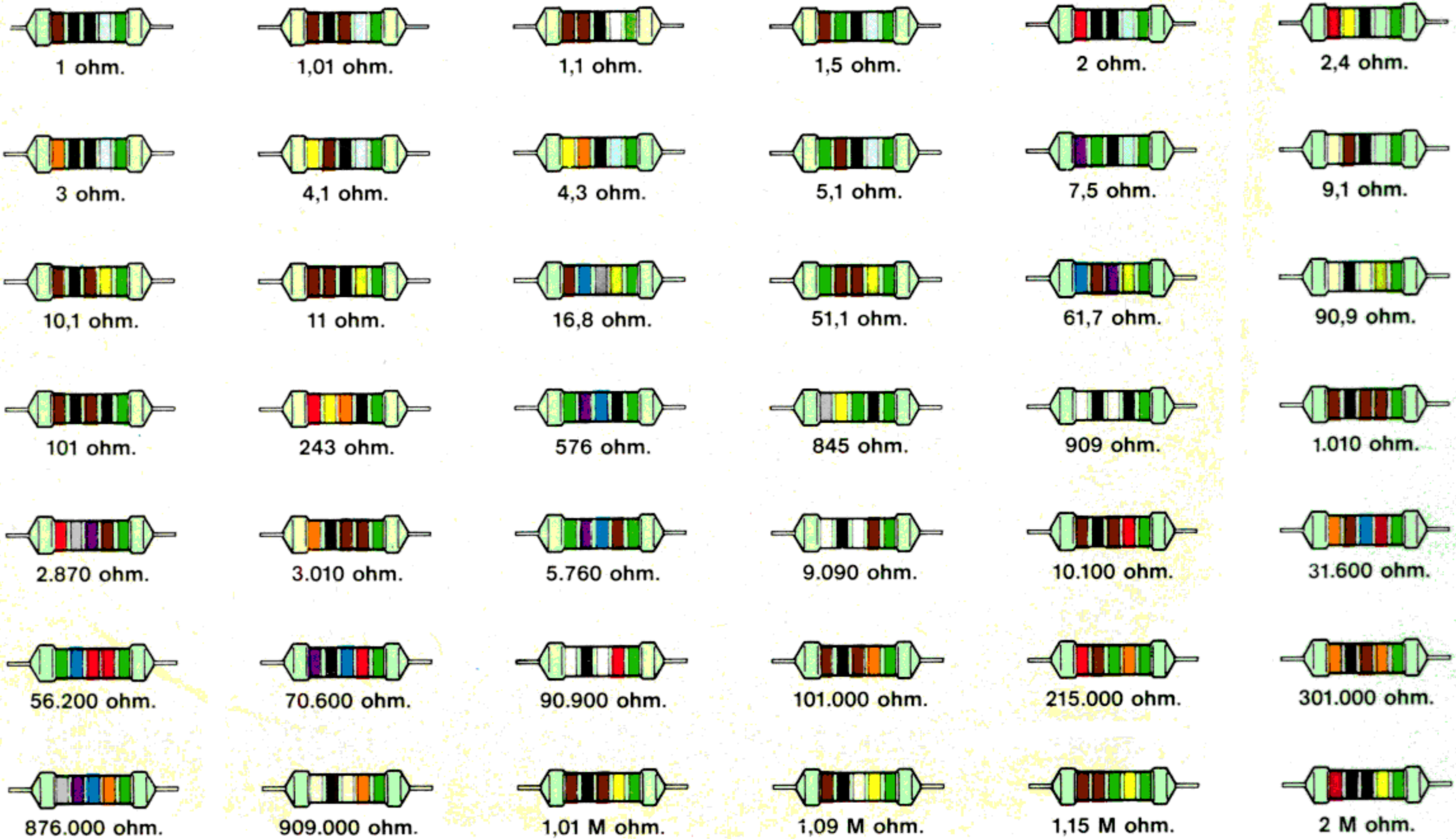



1 ohm.
4,7 ohm.
10 ohm.
12 ohm.
15 ohm.
18 ohm.
22 ohm.
27 ohm.
33 ohm.
39 ohm.
47 ohm.
56 ohm.
68 ohm.
82 ohm.
100 ohm.
120 ohm.
150 ohm.
180 ohm.
220 ohm.
270 ohm.
330 ohm.
390 ohm.
470 ohm.
1.000 ohm.
10.000 ohm.
12.000 ohm.
15.000 ohm.
27.000 ohm.
33.000 ohm.
68.000 ohm.
100.000 ohm.
120.000 ohm.
180.000 ohm.
220.000 ohm.
330.000 ohm.
470.000 ohm.
1 M ohm.
1,5 M ohm.
2,7 M ohm.
4,7 M ohm.
6,8 M ohm.
10 M ohm.

RESISTENCIA DE DEPOSITO METALICO

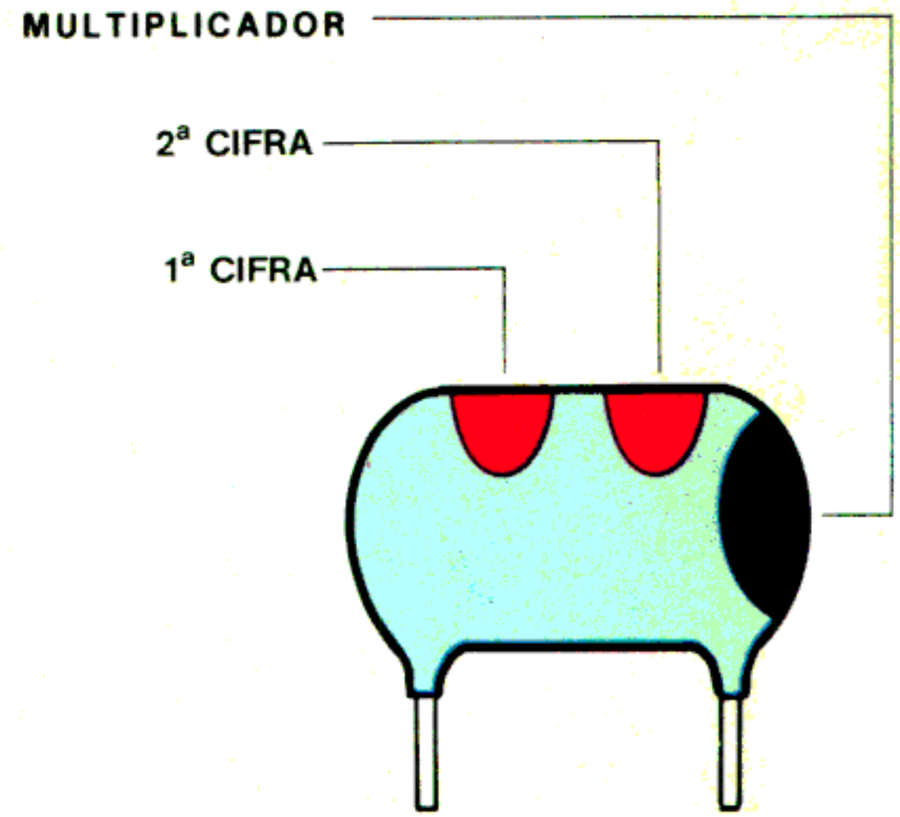
1ª CIFRA	2ª CIFRA	3ª CIFRA	MULTIPLICADOR	TOLERANCIA
–	0	0	x 1	0,5%
1	1	1	x 10	1%
2	2	2	x 100	2%
3	3	3	x 1.000	
4	4	4	x 10.000	
5	5	5	x 100.000	
6	6	6	x 1.000.000	
7	7	7	ORO: 10	
8	8	8	ARG.: 100	
9	9	9		




1 ohm.
1,01 ohm.
1,1 ohm.
1,5 ohm.
2 ohm.
2,4 ohm.
3 ohm.
4,1 ohm.
4,3 ohm.
5,1 ohm.
7,5 ohm.
9,1 ohm.
10,1 ohm.
11 ohm.
16,8 ohm.
51,1 ohm.
61,7 ohm.
90,9 ohm.
101 ohm.
243 ohm.
576 ohm.
845 ohm.
909 ohm.
1.010 ohm.
2.870 ohm.
3.010 ohm.
5.760 ohm.
9.090 ohm.
10.100 ohm.
31.600 ohm.
56.200 ohm.
70.600 ohm.
90.900 ohm.
101.000 ohm.
215.000 ohm.
301.000 ohm.
876.000 ohm.
909.000 ohm.
1,01 M ohm.
1,09 M ohm.
1,15 M ohm.
2 M ohm.

IMPEDANCIA AF

	1ª CIFRA	2ª CIFRA	MULTIPLICADOR
NEGRO	–	0	x 1
MARRON	1	1	x 10
ROJO	2	2	x 100
NARANJA	3	3	x 1.000
AMARILLO	4	4	ORO : 10
VERDE	5	5	
AZUL	6	6	
VIOLETA	7	7	
GRIS	8	8	
BLANCO	9	9	



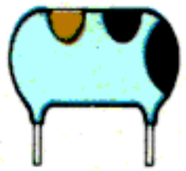
1 micro H

2 micro H

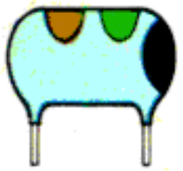
3 micro H

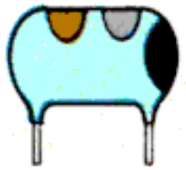
5 micro H

9 micro H


10 micro H

12 micro H


15 micro H


18 micro H

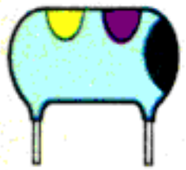
20 micro H

22 micro H

30 micro H

35 micro H

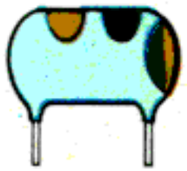
39 micro H

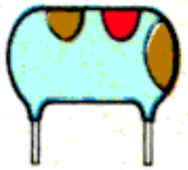

47 micro H

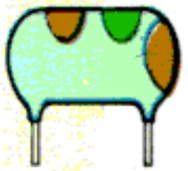
50 micro H

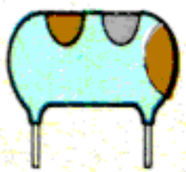
68 micro H

82 micro H


100 micro H

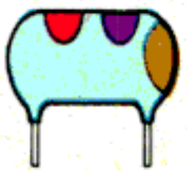

120 micro H

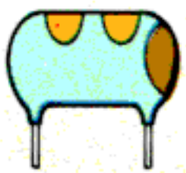

150 micro H


180 micro H

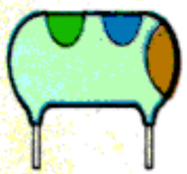
220 micro H

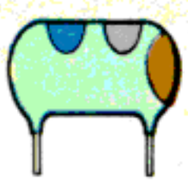
250 micro H

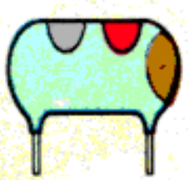

270 micro H


330 micro H

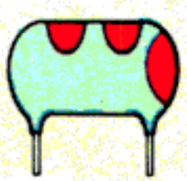
470 micro H

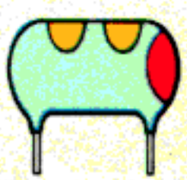

560 micro H


680 micro H


820 micro H

1 milli H


2,2 milli H

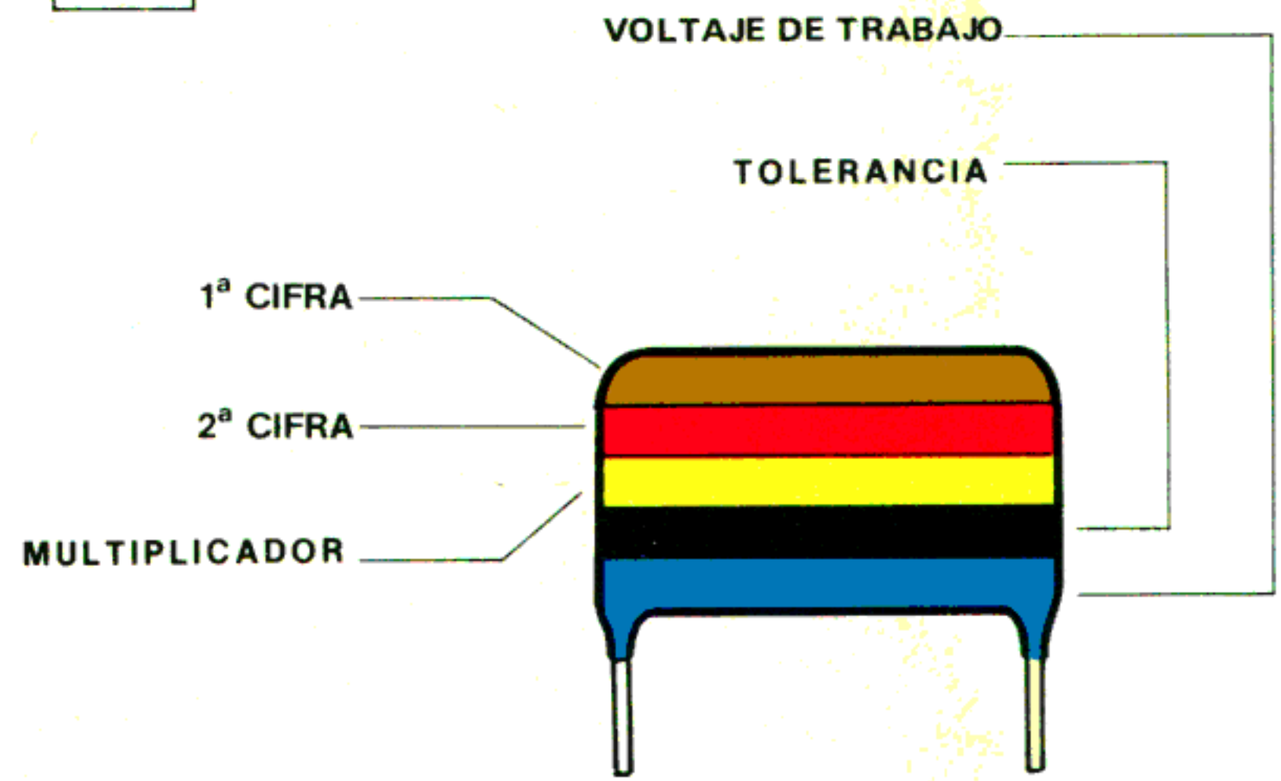

3,3 milli H

4,7 milli H

10 milli H

CONDENSADORES DE POLIESTER

	1ª CIFRA	2ª CIFRA	MULTIPLICADOR	TOLERANCIA	VOLTAJE DE TRABAJO
NEGRO	–	0	x 1	± 20%	250 V.
MARRON	1	1	x 10	± 1%	400 V.
ROJO	2	2	x 100	± 2%	630 V.
NARANJA	3	3	x 1.000	± 5%	
AMARILLO	4	4	x 10.000	± 10%	
VERDE	5	5	x 100.000		
AZUL	6	6			
VIOLETA	7	7			
GRIS	8	8			
BLANCO	9	9			



250 V.
20%

1.000 pF

1.200 pF

1.500 pF

1.800 pF

2.200 pF

2.700 pF

3.300 pF

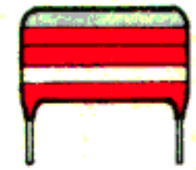
250 V.
10%

3.900 pF

4.700 pF

5.600 pF

6.800 pF


8.200 pF

10.000 pF

12.000 pF

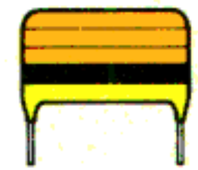
400 V.
20%

15.000 pF

18.000 pF

22.000 pF

27.000 pF


33.000 pF

39.000 pF

47.000 pF

400 V.
10%

56.000 pF

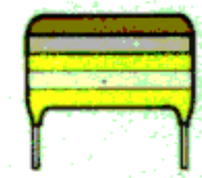
68.000 pF

82.000 pF

100.000 pF

120.000 pF

150.000 pF


180.000 pF

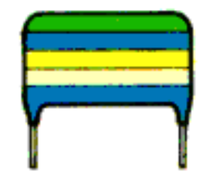
630 V.
10%

220.000 pF

270.000 pF

330.000 pF

470.000 pF

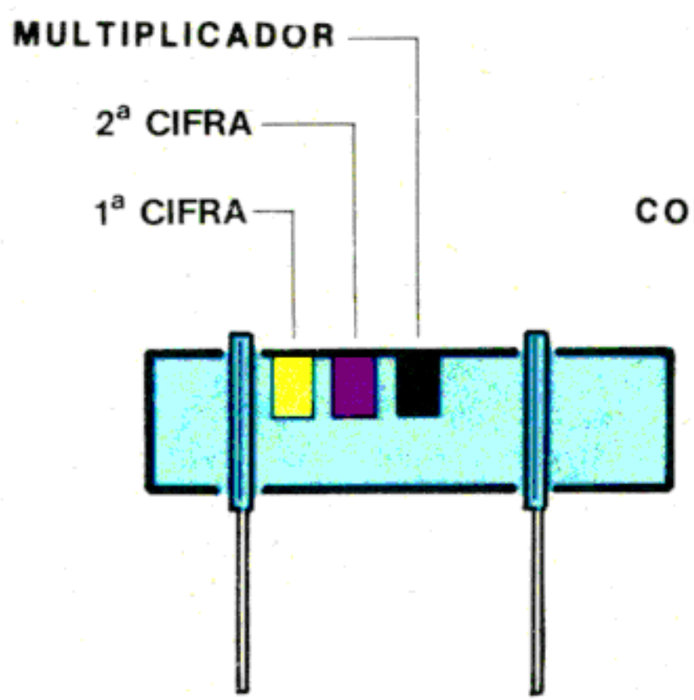

560.000 pF

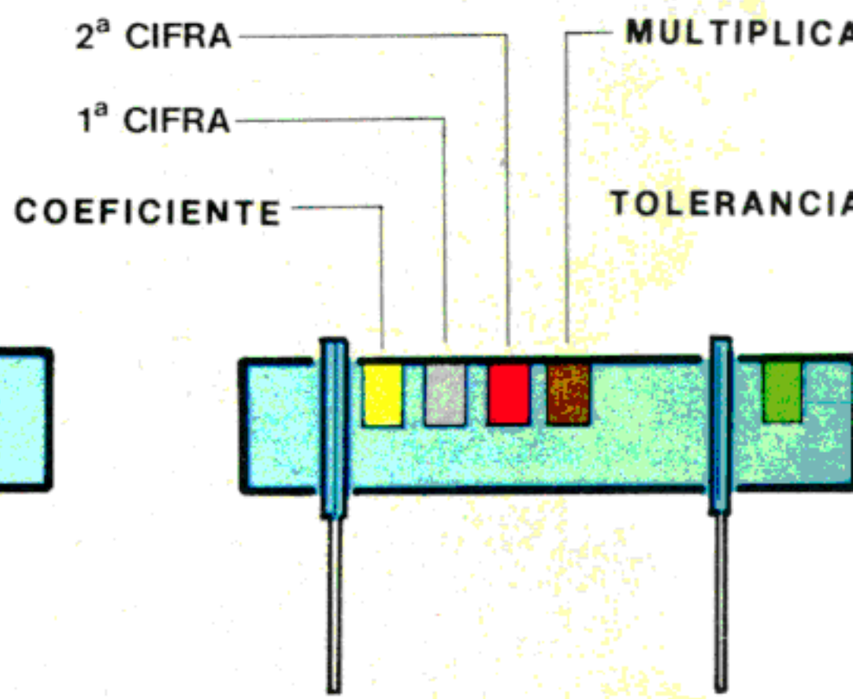
820.000 pF

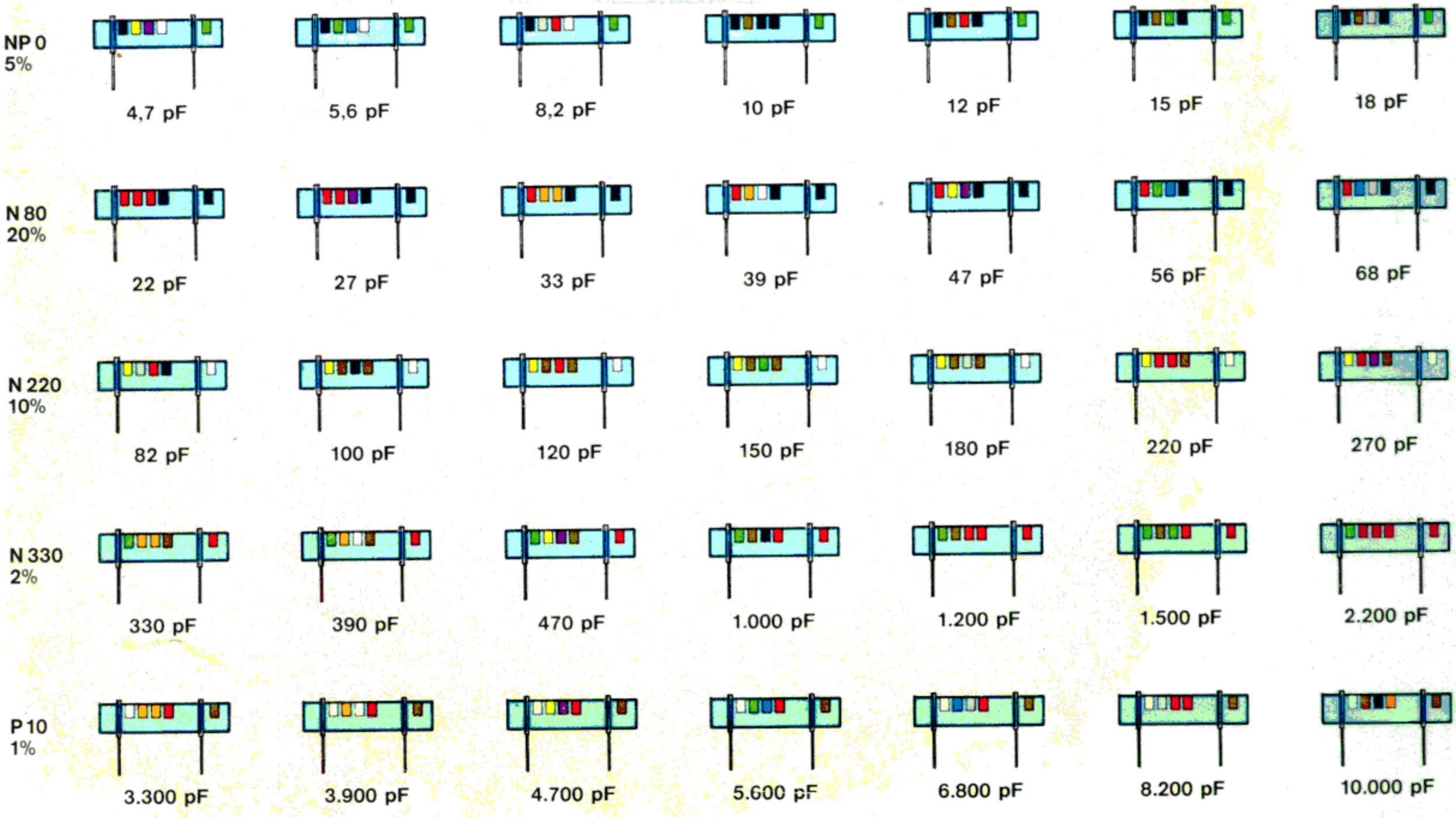
1 mF

CONDENSADORES CERAMICOS TUBULARES

	COEFICIENTE	1ª CIFRA	2ª CIFRA	MULTIPLICADOR	TOLERANCIA
NEGRO	NP 0	–	0	x 1	± 20%
MARRON	N 30	1	1	x 10	± 1%
ROJO	N 80	2	2	x 100	± 2%
NARANJA	N 160	3	3	x 1000	± 5%
AMARILLO	N 220	4	4	: 10	± 10%
VERDE	N 330	5	5		
AZUL	N 470	6	6		
VIOLETA	N 750	7	7		
GRIS		8	8		
BLANCO	P 10	9	9		

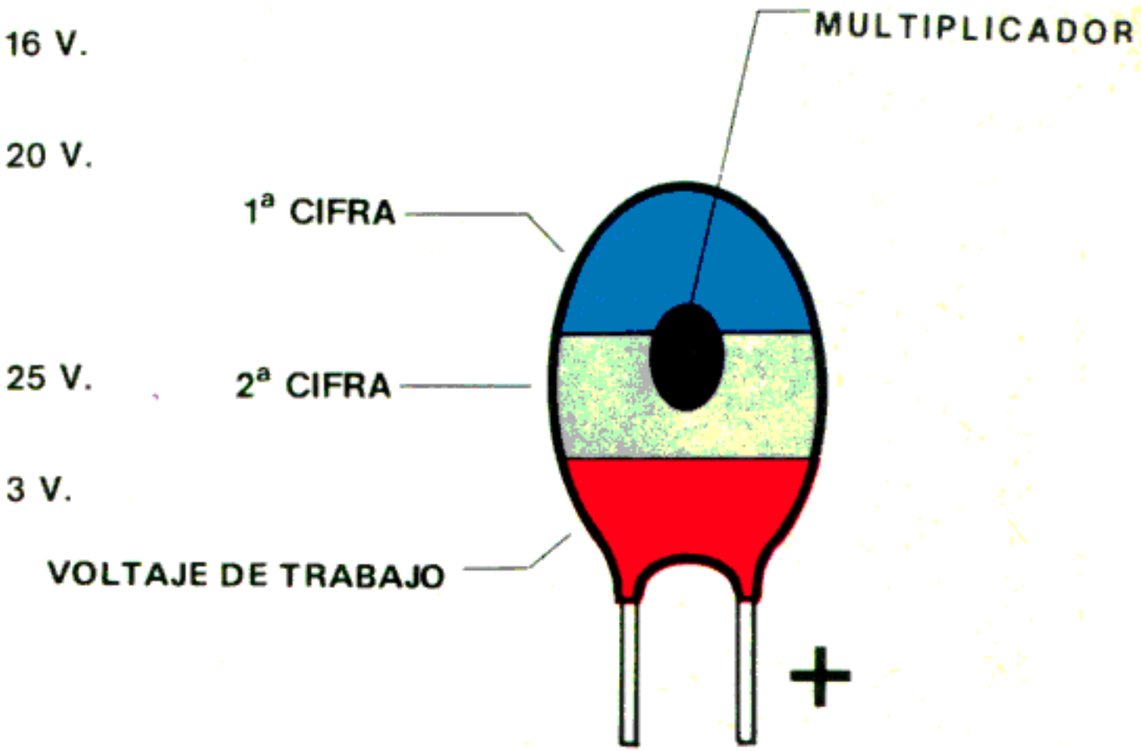


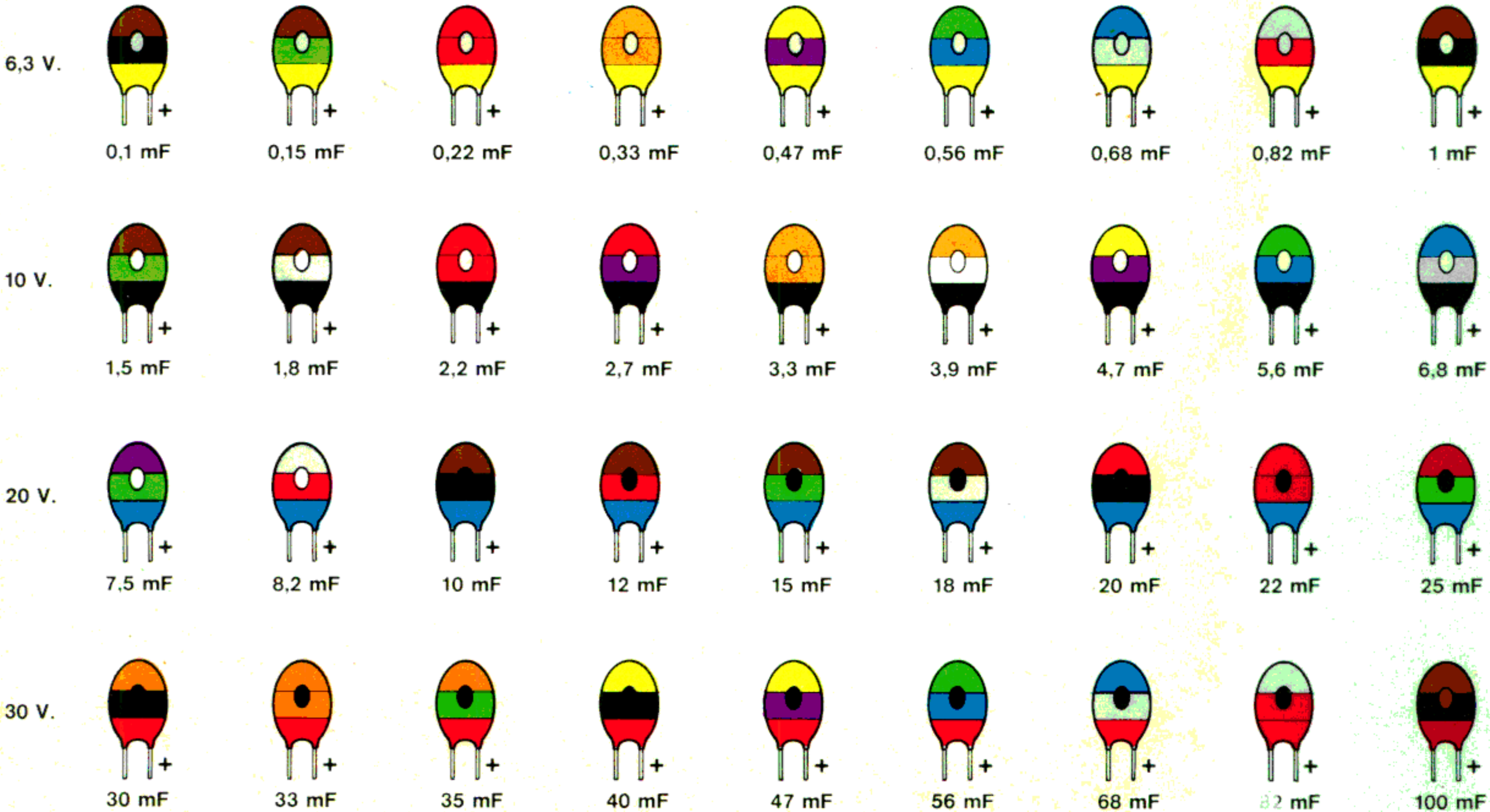



NP 0
5%
4,7 pF
5,6 pF
8,2 pF
10 pF
12 pF
15 pF
18 pF
N 80
20%
22 pF
27 pF
33 pF
39 pF
47 pF
56 pF
68 pF
N 220
10%
82 pF
100 pF
120 pF
150 pF
180 pF
220 pF
270 pF
N 330
2%
330 pF
390 pF
470 pF
1.000 pF
1.200 pF
1.500 pF
2.200 pF
P 10
1%
3.300 pF
3.900 pF
4.700 pF
5.600 pF
6.800 pF
8.200 pF
10.000 pF

CONDENSADORES DE TANTALIO

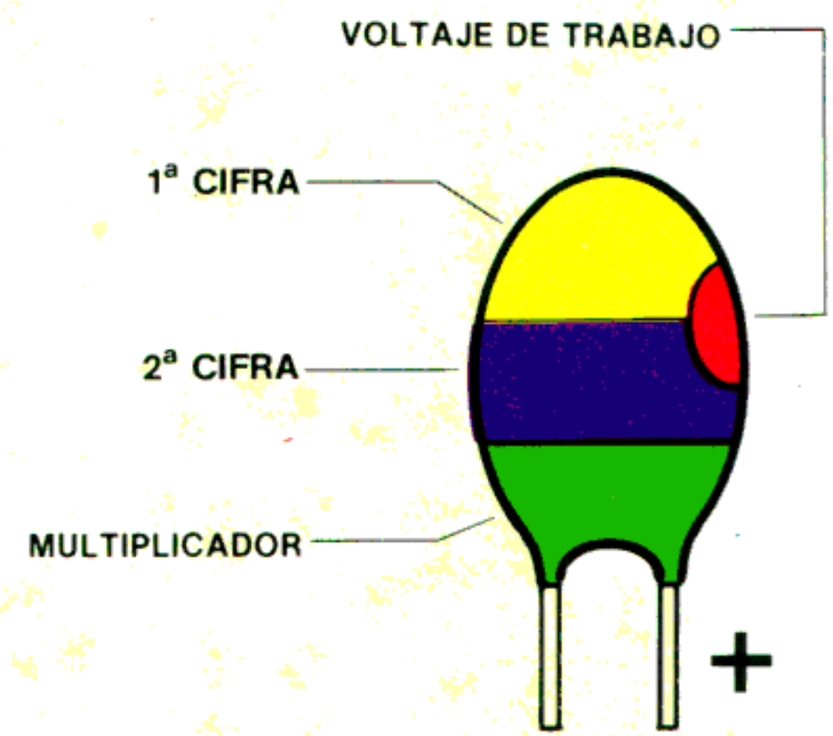
	1ª CIFRA	2ª CIFRA	MULTIPLICADOR	VOLTAJE DE TRABAJO
NEGRO	–	0	x 1	10 V.
MARRON	1	1	x 10	1,5 V.
ROJO	2	2		30 V.
NARANJA	3	3		35 V.
AMARILLO	4	4		6,3 V.
VERDE	5	5		16 V.
AZUL	6	6		20 V.
VIOLETA	7	7		
GRIS	8	8	: 100	25 V.
BLANCO	9	9	: 10	3 V.

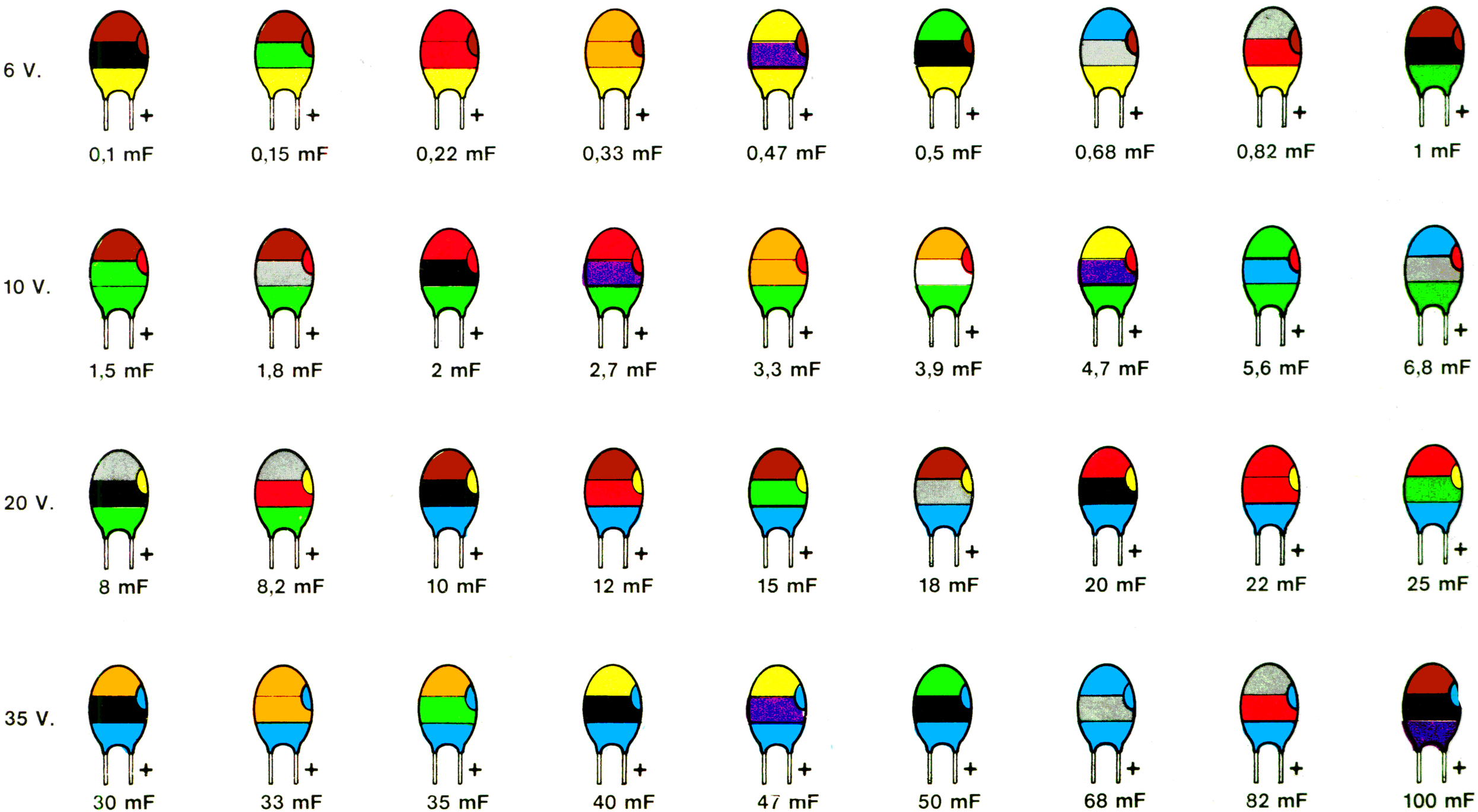



6,3 V.
0,1 mF
0,15 mF
0,22 mF
0,33 mF
0,47 mF
0,56 mF
0,68 mF
0,82 mF
1 mF
10 V.
1,5 mF
1,8 mF
2,2 mF
2,7 mF
3,3 mF
3,9 mF
4,7 mF
5,6 mF
6,8 mF
20 V.
7,5 mF
8,2 mF
10 mF
12 mF
15 mF
18 mF
20 mF
22 mF
25 mF
30 V.
30 mF
33 mF
35 mF
40 mF
47 mF
56 mF
68 mF
82 mF
100 mF

CONDENSADORES DE TANTALIO

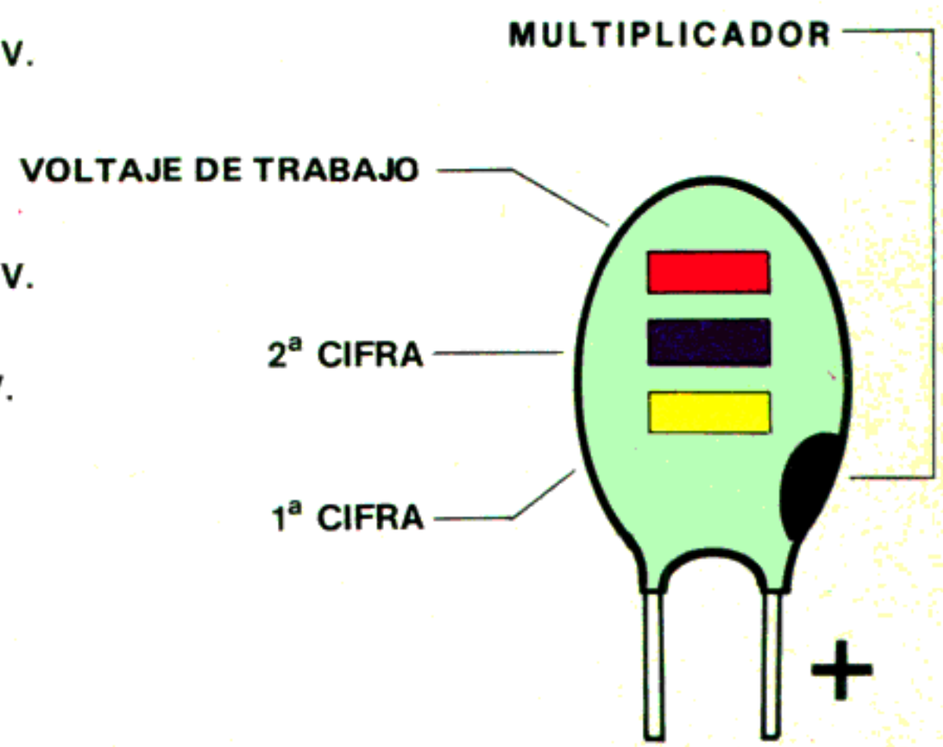
	1ª CIFRA	2ª CIFRA	MULTIPLICADOR	VOLTAJE DE TRABAJO
NEGRO	–	0		4 V.
MARRON	1	1		6 V
ROJO	2	2		10 V.
NARANJA	3	3		15 V.
AMARILLO	4	4	: 100	20 V.
VERDE	5	5	: 10	25 V.
AZUL	6	6	x 1	35 V.
VIOLETA	7	7	x 10	50 V.
GRIS	8	8		
BLANCO	9	9		

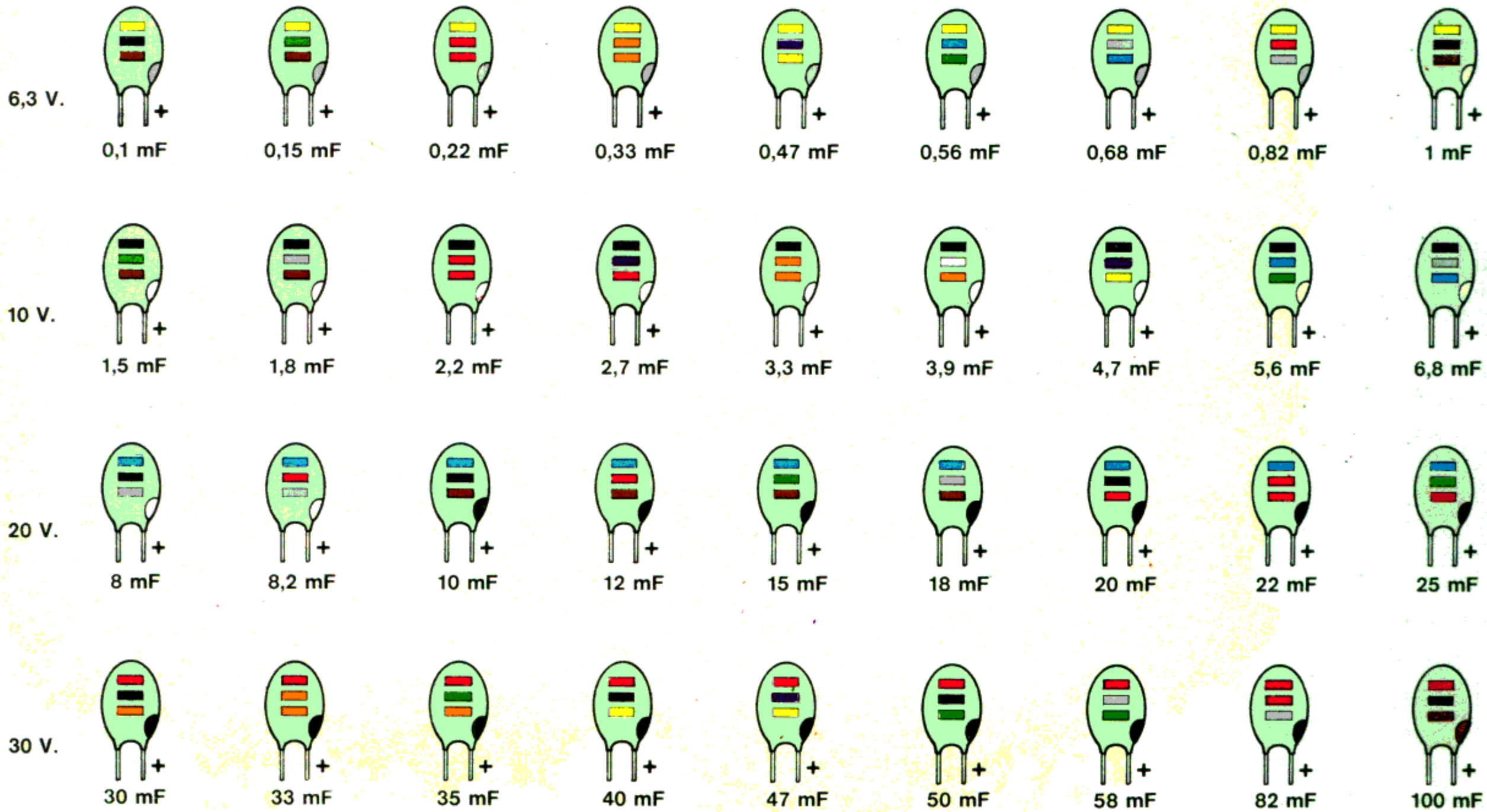



6 V.
0,1 mF
0,15 mF
0,22 mF
0,33 mF
0,47 mF
0,5 mF
0,68 mF
0,82 mF
1 mF
10 V.
1,5 mF
1,8 mF
2 mF
2,7 mF
3,3 mF
3,9 mF
4,7 mF
5,6 mF
6,8 mF
20 V.
8 mF
8,2 mF
10 mF
12 mF
15 mF
18 mF
20 mF
22 mF
25 mF
35 V.
30 mF
33 mF
35 mF
40 mF
47 mF
50 mF
68 mF
82 mF
100 mF

CONDENSADORES DE TANTALIO

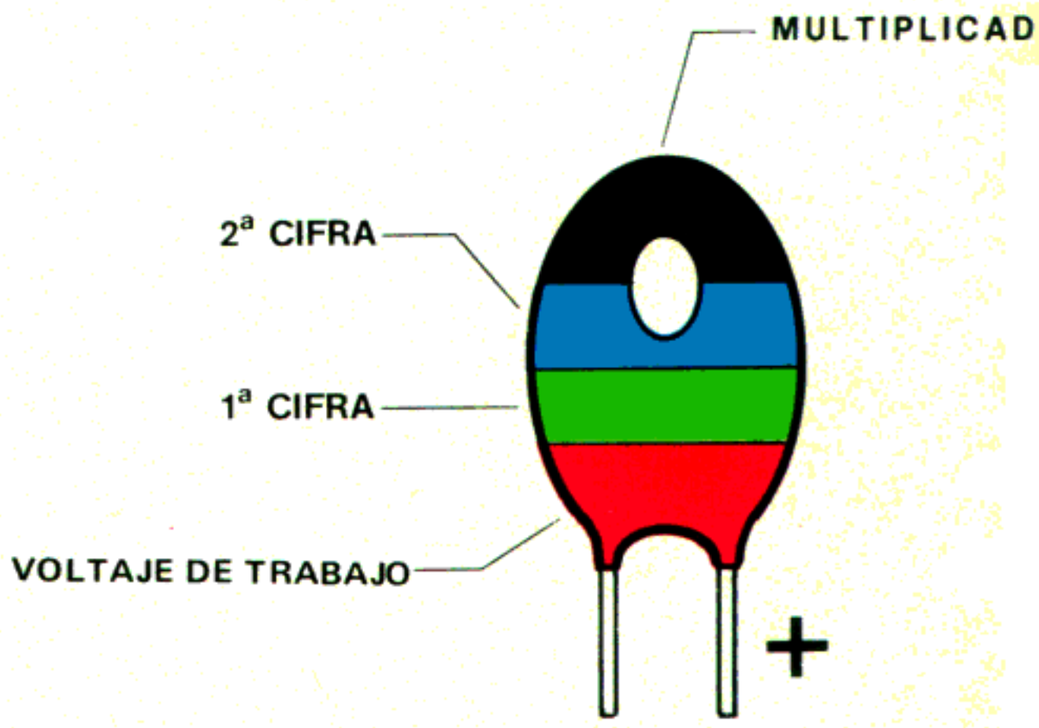
	1ª CIFRA	2ª CIFRA	MULTIPLICADOR	VOLTAJE DE TRABAJO
NEGRO	–	0	x 1	10 V.
MARRON	1	1	x 10	1,5 V.
ROJO	2	2		30 V.
NARANJA	3	3		35 V.
AMARILLO	4	4		6,3 V.
VERDE	5	5		16 V.
AZUL	6	6		20 V.
VIOLETA	7	7		
GRIS	8	8	: 100	25 V.
BLANCO	9	9	: 10	3 V.

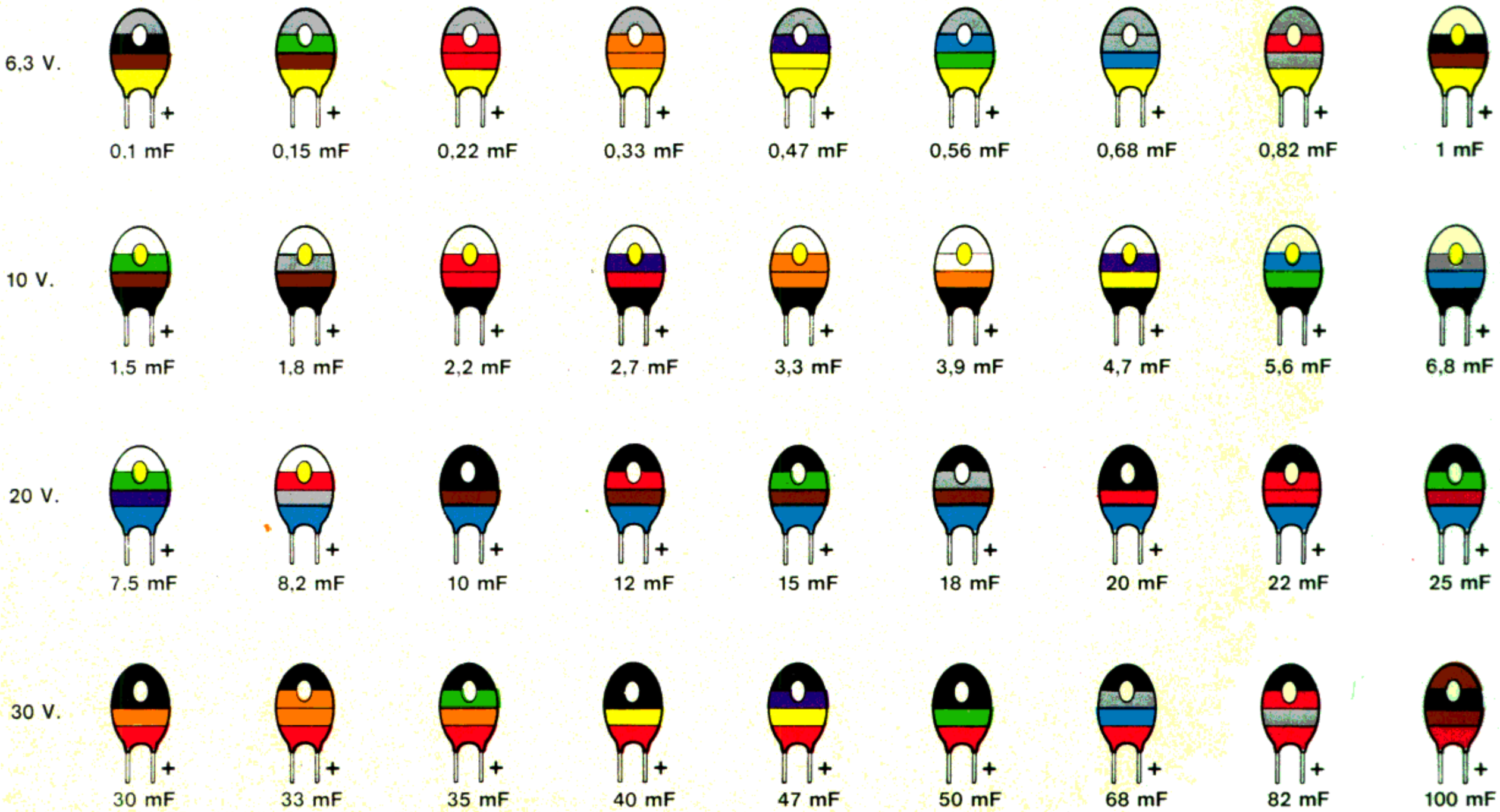



6,3 V.
0,1 mF
0,15 mF
0,22 mF
0,33 mF
0,47 mF
0,56 mF
0,68 mF
0,82 mF
1 mF
10 V.
1,5 mF
1,8 mF
2,2 mF
2,7 mF
3,3 mF
3,9 mF
4,7 mF
5,6 mF
6,8 mF
20 V.
8 mF
8,2 mF
10 mF
12 mF
15 mF
18 mF
20 mF
22 mF
25 mF
30 V.
30 mF
33 mF
35 mF
40 mF
47 mF
50 mF
58 mF
82 mF
100 mF

CONDENSADORES DE TANTALIO

	1a. CIFRA	2a. CIFRA	MULTIPLICADOR	VOLTAJE DE TRABAJO
NEGRO	–	0	x 1	10 V.
MARRON	1	1	x 10	1,5 V.
ROJO	2	2		30 V.
NARANJA	3	3		35 V.
AMARILLO	4	4		6,3 V.
VERDE	5	5		16 V.
AZUL	6	6		20 V.
VIOLETA	7	7		
GRIS	8	8	: 100	25 V.
BLANCO	9	9	: 10	3 V.




6,3 V.
0,1 mF
0,15 mF
0,22 mF
0,33 mF
0,47 mF
0,56 mF
0,68 mF
0,82 mF
1 mF
10 V.
1,5 mF
1,8 mF
2,2 mF
2,7 mF
3,3 mF
3,9 mF
4,7 mF
5,6 mF
6,8 mF
20 V.
7,5 mF
8,2 mF
10 mF
12 mF
15 mF
18 mF
20 mF
22 mF
25 mF
30 V.
30 mF
33 mF
35 mF
40 mF
47 mF
50 mF
68 mF
82 mF
100 mF