



Data Sheet

Component colour codes

Four band resistors

Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Grey	8
White	9

Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Grey	8
White	9

Silver	Divide by 100
Gold	Divide by 10
Black	Multiply by 1
Brown	Multiply by 10
Red	Multiply by 100
Orange	Multiply by 1000
Yellow	Multiply by 10,000
Green	Multiply by 100,000
Blue	Multiply by 1,000,000

Red	± 2%
Gold	± 5%
Silver	± 10%

Five band resistors

Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Grey	8
White	9

Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Grey	8
White	9

Black	0
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Silver	Divide by 100
Gold	Divide by 10
Black	Multiply by 1
Brown	Multiply by 10
Red	Multiply by 100
Orange	Multiply by 1000
Yellow	Multiply by 10,000
Green	Multiply by 100,000
Blue	Multiply by 1,000,000

Brown	± 1%
Red	± 2%
Gold	± 5%
Silver	± 10%

Six band resistors

Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Grey	8
White	9

Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Grey	8
White	9

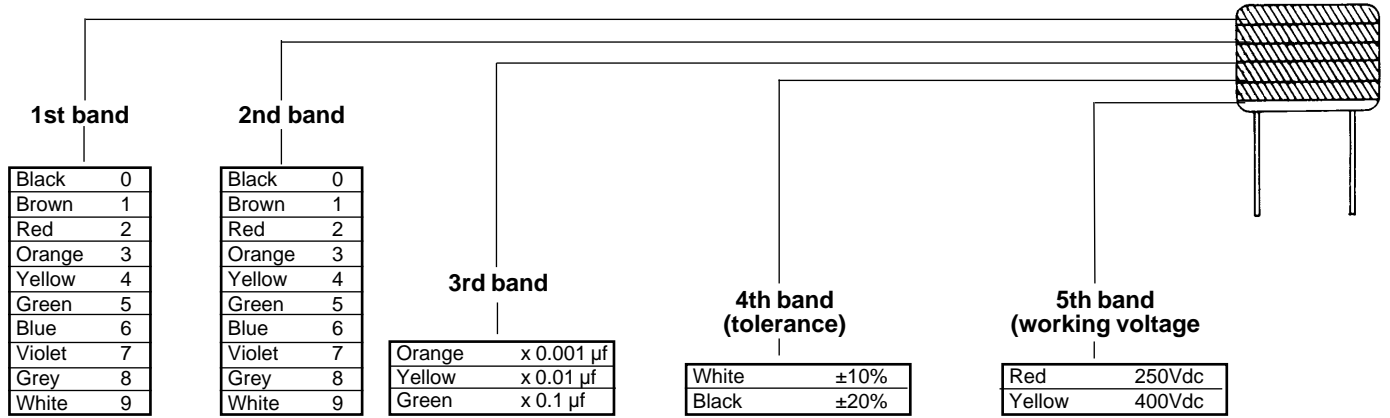
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Red	2
Orange	3
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Silver	Divide by 100
Gold	Divide by 10
Black	Multiply by 1
Brown	Multiply by 10
Red	Multiply by 100
Orange	Multiply by 1000
Yellow	Multiply by 10,000
Green	Multiply by 100,000
Blue	Multiply by 1,000,000

Brown	± 1%
Red	± 2%
Gold	± 5%
Silver	± 10%

Brown	100
Red	50
Yellow	25
Orange	15
Blue	10
Violet	5
White	1

Polyester capacitors



Standard decade values

E24	10	11	12	13	15	16	18	20	22	24	27	30	33	36	39	43	47	51	56	62	68	75	82	91
E12	10	12	15	18	22	27	33	39	47	56	68	82												
E6	10	15	22	33	47	68																		

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