

RADIO DAZE

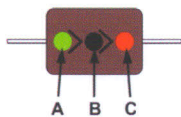
VINTAGE ELECTRONICS COMPONENT COLOR CODING

Color Code Chart #1

Color	1st Figure "A"	2nd Figure "B"	Multiplier "C"	Tolerance "D"	Voltage* "E"
Black	0	0	1		
Brown	1	1	10	± 1% *	100
Red	2	2	100	± 2% *	200
Orange	3	3	1,000	± 3% *	300
Yellow	4	4	10,000	± 4% *	400
Green	5	5	100,000	± 5% *	500
Blue	6	6	1,000,000	± 6% *	600
Violet	7	7	10,000,000	± 7% *	700
Gray	8	8	100,000,000	± 8% *	800
White	9	9	1,000,000,000	± 9% *	900
Gold			0.1	± 5%	1000
Silver			0.01	± 10%	2000
No Color				± 20%	500

* Applies To Capacitors Only

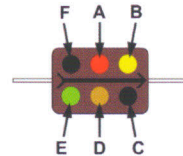
Mica Capacitors - 3 Dot RMA/EIA Code
500 Volt Rating with 20% Tolerance
Capacitance in Picofarads (pf)



USE COLOR CODE CHART #1
Read Left-To-Right In Arrow Direction
A: 1st Significant Figure
B: 2nd Significant Figure
C: Decimal Multiplier
Note: If 4th dot in upper left corner, it indicates tolerance "D"

Illustrated As 5000 pf

Molded Capacitors
6 Dot American War Standard/JAN Code
Tolerance As Marked
Capacitance in Picofarads (pf)



USE COLOR CODE CHART #1
Read Left-To-Right In Arrow Direction
A: 1st Significant Figure
B: 2nd Significant Figure
C: Decimal Multiplier
D: Tolerance

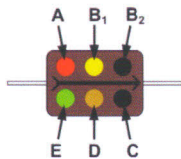
E: Characteristic

Color	Temp. Coefficient p.p.m./°C	Capacitance Drift
Black	± 1000	± 5% +1 pf
Brown	± 500	± 3% +1 pf
Red	± 200	± 0.5%
Orange	± 100	± 0.3%
Yellow	-20 to +100	± 0.1% +0.1 pf
Green	0 to +70	± 0.05% +0.1 pf

F: Black Dot = Mica, Silver Dot = Paper

Illustrated As
Mica Cap 24pf 5% tolerance
0 to +70 p.p.m./°C
and ± 0.05% +0.1 pf drift

Mica Capacitors—6 Dot RMA/EIA Code
Voltage Rating, Tolerance As Marked
Capacitance in Picofarads (pf)



USE COLOR CODE CHART #1
Read Left-To-Right In Arrow Direction
A: 1st Significant Figure
B₁: 2nd Significant Figure
B₂: 3rd Significant Figure
C: Decimal Figure
D: Tolerance
E: Voltage Rating
Illustrated As
240 pf @ 500V 5% tolerance

Tubular Encapsulated R.F. Chokes
Inductance in Microhenries (µh)



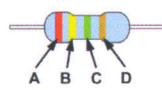
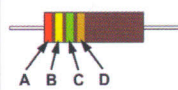
USE COLOR CODE CHART #1
A: 1st Significant Figure
B: 2nd Significant Figure
C: Decimal Multiplier
D: Tolerance
E: If silver band present, it indicates mil spec

Illustrated As 270 µh @ 5% tolerance

Composition Resistors

Film Resistors

Radial/Tubular Resistors



USE COLOR CODE CHART #1

A: 1st Significant Figure Of Resistance In Ohms
B: 2nd Significant Figure Of Resistance In Ohms
C: Decimal Multiplier
D: Tolerance in % (no color means ±20%)
All Three Resistor Types Are Illustrated
As 2.4 Megohm 5% Tolerance

Color Code Chart #2

Color	1st Figure "A"	2nd Figure "B"	Multiplier "C"	Tolerance "D"		"E" Temp. Coefficient p.p.m./°C
				More Than 10 pf	Less Than 10 pf	
Black	0	0	1	± 20%	± 2.0 pf	0
Brown	1	1	10	± 1%		- 30
Red	2	2	100	± 2%		- 80
Orange	3	3	1,000			- 150
Yellow	4	4				- 220
Green	5	5		± 5%		- 330
Blue	6	6				- 470
Violet	7	7				- 750
Gray	8	8	0.01		± .25 pf	30
White	9	9	0.1	± 10%	± 1.0 pf	500

Tubular Ceramic Capacitors
Capacitance in Picofarads (pf)



USE COLOR CODE CHART #2
A: 1st Significant Figure
B: 2nd Significant Figure
C: Decimal Multiplier
D: Tolerance
E: Temperature Coefficient

Illustrated As 5600 pf @ 10% tolerance - 200ppm

Suggested Hookup Wire Color Code

Color	Circuit Application
Black	Grounds and returns
Brown	Filaments/Heaters off ground
Red	B+ power supply
Orange	Screen grid
Yellow	Cathode
Green	Control grid - diode plate
Blue	Plate
Violet	Power supply, negative leads
Gray	AC Power line leads
White	Bias supply, B minus, C minus, AGC

Power Transformers

Transformer Leads	Outside Leads	Center-Tap (if any)
Primary	Black	Black-Yellow Striped
High-Voltage (Plate)	Red	Red-Yellow Striped
Rectifier Filament	Yellow	Yellow-Blue Striped
Filament #1	Green	Green-Yellow Striped
Filament #2	Brown	Brown-Yellow Striped
Filament #3	Slate	Slate-Yellow Striped

Audio Transformers

Transformer Leads	Lead Color
Plate (finish) lead of primary	Blue
"B+" lead (whether center-tapped or not)	Red
Plate (start) lead on center-tapped primaries	Brown
Grid (finish) lead to secondary	Green
Grid return (whether center-tapped or not)	Black
Grid (start) lead on center-tapped secondaries	Yellow

I.F. Transformers

Transformer Leads	Lead Color
Plate lead of primary	Blue
"B+" lead of primary	Red
Grid (or diode) lead of secondary	Green
Grid (or diode) return	Black

Note: If secondary is center-tapped, the 2nd diode plate lead is green-black striped and black is used for the center-tap