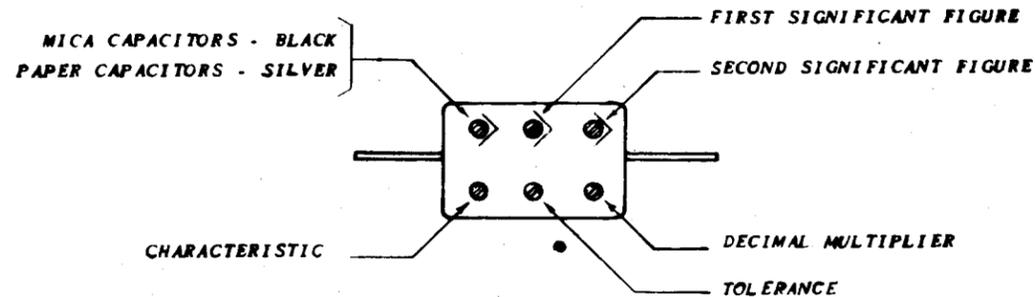


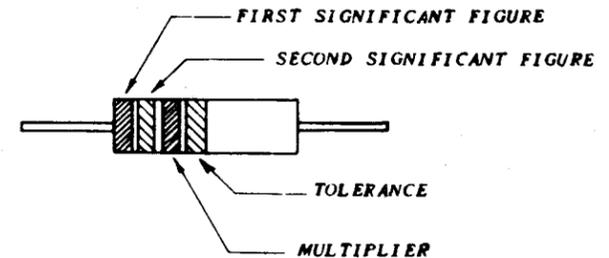
COLOR CODES FOR CAPACITORS AND RESISTORS

JAN\* COLOR CODES FOR FIXED CAPACITORS  
(CAPACITANCE VALUES IN MICROMICROFARADS)



COLOR	SIGNIFICANT FIGURE	DECIMAL MULTIPLIER	TOLERANCE	CHARACTERISTIC (SEE TABLE A)
BLACK	0	1	20%	A
BROWN	1	10	-	B
RED	2	100	2%	C
ORANGE	3	1000	-	D
YELLOW	4	-	-	E
GREEN	5	-	-	F
BLUE	6	-	-	G
VIOLET	7	-	-	
GRAY	8	-	-	
WHITE	9	-	-	
GOLD	-	0.1	5%	
SILVER	-	0.01	10%	

JAN\* AND RMA+ COLOR CODES FOR FIXED COMPOSITION RESISTORS  
(RESISTANCE VALUES IN OHMS)



COLOR	SIGNIFICANT FIGURE	MULTIPLIER	TOLERANCE
BLACK	0	1.0	-
BROWN	1	10	-
RED	2	100	-
ORANGE	3	1,000	-
YELLOW	4	10,000	-
GREEN	5	100,000	-
BLUE	6	1,000,000	-
VIOLET	7	10,000,000	-
GRAY	8	100,000,000	-
WHITE	9	1,000,000,000	-
GOLD	-	0.1	± 5 per cent
SILVER	-	0.01	± 10 per cent
NO COLOR	-	-	± 20 per cent

TABLE A

CHARACTERISTIC	Q	TEMPERATURE COEFFICIENT PARTS/MILLION/DEGREE C	MAXIMUM CAPACITANCE DRIFT
A	NOT SPECIFIED	NOT SPECIFIED	NOT SPECIFIED
B	SPECIFIED	NOT SPECIFIED	NOT SPECIFIED
C	SPECIFIED	-200 to +200	0.5 per cent
D	SPECIFIED	-100 to +100	0.2 per cent
E	SPECIFIED	0 to +100	0.05 per cent
F	SPECIFIED	0 to +50	0.025 per cent
G	SPECIFIED	0 to +50	0.025 per cent

\* JOINT ARMY-NAVY

+ RADIO MANUFACTURERS ASSOCIATION

COLOR CODES FOR  
CAPACITORS AND RESISTORS

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