

Radio Systems
 General

SECTION R05.010
 Issue 2, 8-15-49
 AT&TCo Standard

REFERENCE DATA

KS-SPEC., JAN AND RMA COLOR CODES FOR CAPACITORS AND RESISTORS

1. GENERAL

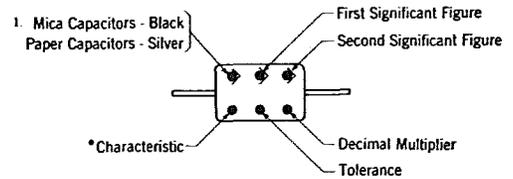
1.01 This section describes the manner in which the values of capacitors and resistors may be determined by interpreting the meaning of the color spots or rings on this equipment.

1.02 This section is reissued to indicate that the colors shown apply also to the KS capacitors and resistors and to the RMA capacitors.

1.03 JAN indicates the standard that has been adopted for Joint Army-Navy usage. RMA indicates the standard that has been adopted by the Radio Manufacturers Association.

2. CAPACITORS

KS-SPEC., JAN AND RMA COLOR CODES FOR FIXED CAPACITORS
 (CAPACITANCE VALUES IN MICROMICROFARADS)

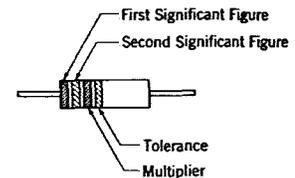


COLOR	SIGNIFICANT FIGURE	DECIMAL MULTIPLIER	TOLERANCE
Black	0	1	20%
Brown	1	10	—
Red	2	100	2%
Orange	3	1,000	—
Yellow	4	—	—
Green	5	—	—
Blue	6	—	—
Violet	7	—	—
Gray	8	—	—
White	9	—	—
² Gold	—	0.1	5%
Silver	—	0.01	10%

* The characteristic is a factor entering primarily into design considerations and has therefore not been included. Colors should match when replacing.
 1. In the RMA Plan this color is White
 2. In the RMA Plan this color is Green for the tolerance

3. RESISTORS

KS-SPEC., JAN AND RMA COLOR CODES FOR COMPOSITION AND FIXED WIRE WOUND (LOW POWER) RESISTORS
 (RESISTANCE VALUES IN OHMS)



COLOR	*SIGNIFICANT FIGURE	MULTIPLIER	TOLERANCE
Black	0	1	—
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%
Silver	—	0.01	± 10%
No Color	—	—	± 20%

*Double width band signifies low power fixed wire wound resistor.