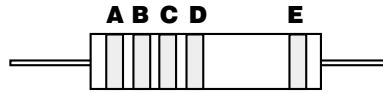


# Resistor Colour Codes

## Five Band Precision Resistor

- Note:(1) Bands A to D are grouped together.  
 (2) Band E is tolerance



	Band A	Band B	Band C	Band D	Band E	Band F
Colour	First Digit	Second Digit	Third Digit	Multiplier	Tolerance	Reliability
Black		0	0	1		
Brown	1	1	1	10	± 1 %	1 %
Red	2	2	2	100	± 2 %	0.1 %
Orange	3	3	3	1000	± 3 %	0.01 %
Yellow	4	4	4	10,000	± 4 %	0.001 %
Green	5	5	5	100,000	± 0.5 %	
Blue	6	6	6	1,000,000	± 0.25 %	
Violet	7	7	7	10,000,000	± 0.1 %	
Gray	8	8	8	100,000,000		
White	9	9	9	1,000,000,000		
Gold				0.1	± 5 %	
Silver				0.01	± 10 %	
No Colour					± 20 %	
	Band A	Band B	Band C	Band D	Band E	

## Standard Four Band Resistor

- Note:(1) Bands 1 to 3 are grouped together.  
 (2) Band 4 is tolerance



## Five Band Resistor with Reliability Band

- Note:(1) These are composition type resistors.  
 (2) Bands are evenly spaced

