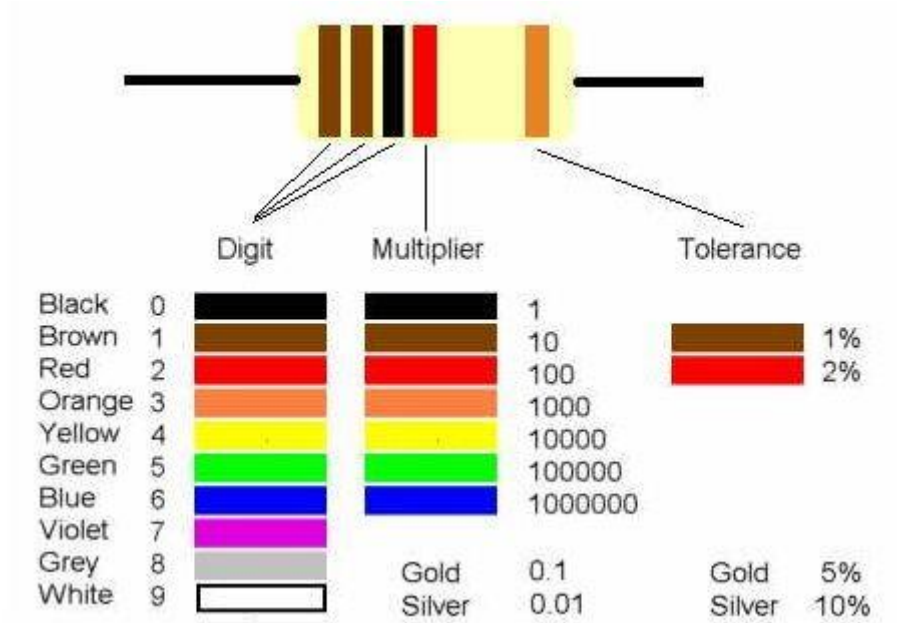


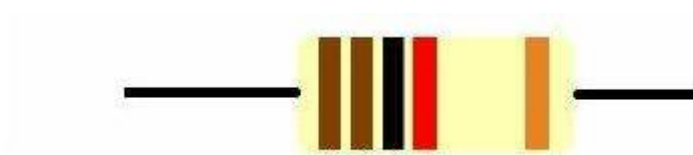
1) Direnc Okuma



Dirençler 3 ya da 4 renkli olur, okunma şekli de şu şekilde;

4 Renkli ;

Digit1 – Digit2 – Digit3 – Digit Carpan - Tolerans



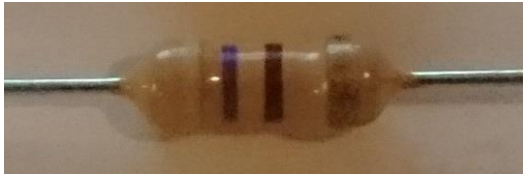
3 Renkli ;

Digit1 – Digit2 – Digit Carpan – Tolerans



2) Direncler

a. 470 Ohm



Sari – **Mor** – **Kahverengi** – Altin

4 – 7 – 1 Tolerans: %5

$$47 \cdot 10 = 470$$

b. 1K Ohm



Kahverengi – **Siyah** – **Kirmizi** – Altin

1 – 0 – 2 Tolerans: %5

$$10 \cdot 100 = 1000 = 1K$$

c. 2.2K Ohm



Kirmizi – **Kirmizi** – **Kirmizi** – Altin

1 – 0 – 2 Tolerans: %5

$$10 \cdot 100 = 1000 = 1K$$

d. 10K Ohm



Kahverengi – **Siyah** – **Turuncu** – Altin

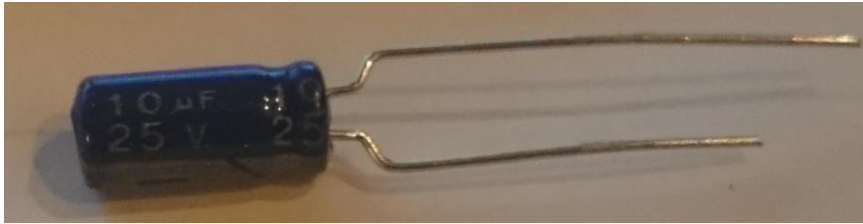
1 – 0 – 3 Tolerans: %5

$$10 \cdot 1000 = 10000 = 10K$$

ITU-CON : Circuit Elements

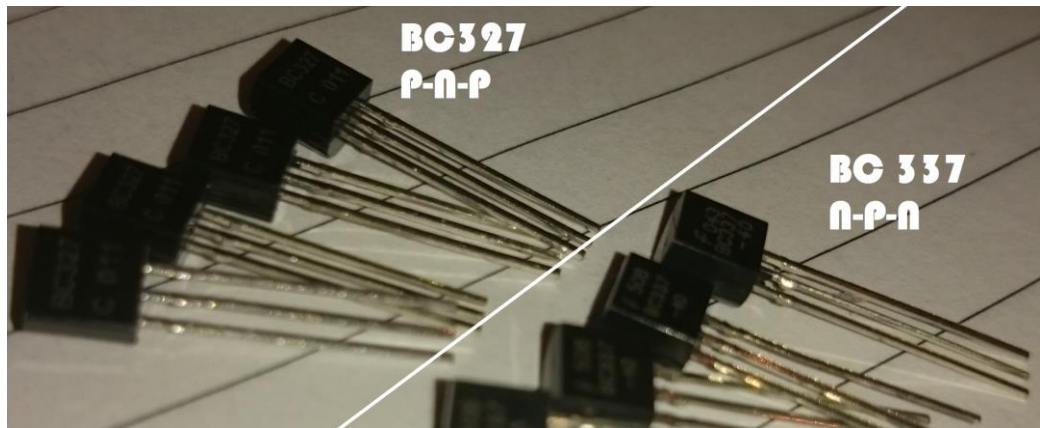
3) Kapasitorler

- a. 10 uF 25 V



4) Transistorler

- a. BC337 NPN & BC327 PNP (Ya da BC556 PNP)



5) Kapilar

- a. AND

- i. 74HC08

M74HCT08B1



ITU-CON : Circuit Elements

b. OR

i. 74HC32

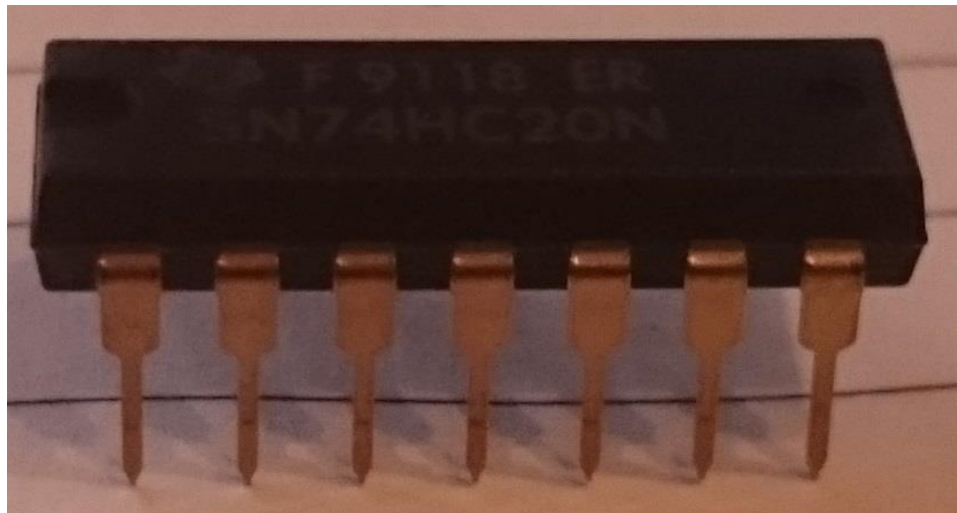
SN74HC32N



c. NAND

i. 74HC20

SN74HC20N



ITU-CON : Circuit Elements

d. NOR

i. 74HC02

SN74F02N



e. NOT

i. 74HC04

SN74HC04N



6) Tumlesik Devreler

a. LM555

X

b. 4017 COUNTER

HCF4017BE



7) Guc Kaynaklari

8) Diger

a. LED'ler



b.