## 1-[جدول ارقام](#_Toc349762517)

## 2-[ولت سنج –آمپرسنج-لامپ-حروف](#_Toc349762518)

## 3-[مولد-کلید-مقاومت-خازن-اتصال به زمین](#_Toc349762519)

## 4-[مثالها](#_Toc349762520)

## جدول ارقام

## 

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| مقاومت یک رقمی | مقاومت دو رقمی | خازن یک رقمی | خازن دو رقمی | جریان یک رقمی | جریان دو رقمی | مولد |
| Ω **=1­­­**R  5 | Ω **=1­­­**R  12 | μF =1­­­C  5 | μF =1­­­C  15 |  |  | v = ­1­­­ε  Ω =1r  12  1  A =1­­­I  12  A =2­­­I  5  A =1­­­I  5 |
| Ω **=­­­­2**R  5 | Ω **=2­­­**R  12 | μF =­­­­2C  5 | μF =2­­­C  15 |  |  | v = ­2­­­ε  Ω =2r  12  1  A =2­­­I  12 |
| Ω **=­­­­ 3**R  5 | Ω **=3­­­**R  12 | μF =­­­­ 3C  5 | μF =3­­­C  15 | A =3­­­I  5 |  | A =3­­­I  12  v = ­3­­­ε  Ω =3r  12  1 |
| Ω **=4­­­­**R  5 | Ω **=4­­­**R  12 | μF =4­­­­C  5 | μF =4­­­C  15 | A =4­­­I  5 |  | A =4­­­I  12  v = ­4­­­ε  Ω =4r  12  1 |
| Ω **=­­­5**R  5 | Ω **=5­­­**R  12 | μF =­­­5C  5 | μF =5­­­C  15 |  |  | v = 5­­­ε  Ω =5r  12  1 |
| Ω **=6­­­­**R  5 | Ω **=6­­­**R  12 | μF =6­­­­C  5 | μF =6­­­C  15 |  |  | v = ­­­ε  Ω =r  12  1 |
| Ω **=7­­­­**R  5 | Ω **=7­­­**R  12 | μF =7­­­­C  5 | μF =7­C  15 |  |  |  |
| Ω **=8­­­­**R  5 | Ω **=8­­­**R  12 | μF =8­­­C  5 | μF =8­­­C  15 |  |  |  |

# ولت سنج –آمپرسنج-لامپ-حروف مولد-کلید-مقاومت-خازن-اتصال به زمین

ε و r

**­­­­**R

HCAR2

GCAR2

ECAR2

BCAR2

ACAR2

CAR2

DCAR2

**v**

**v**

**v**

**v**

**v**

**v**

**v**

**v**

**A**

KGCAR2

IFCAR2

# 

R1=10Ω 

## مثالها

M

N

**v**

**A**

Ω

Ω

**4**

3

6

**7**

Ω

v

Ω

**12**

**30**

12

6

ACAR2

BCAR2

**10**

**15**

Ω

Ω

Ω

Ω

Ω

R

R

(1)

(2)

(4)

(3)

**A**

**A**

**A**

**A**

R

R

R

R

R

R

R

R

R

R

R

R

(1)

(2)

(4)

(3)

**A**

**A**

**A**

**A**

R

R

R

R

R

R

R

R

R

R

Ω

x

Ω

**2**

12

Ω

6

**3**

Ω

4= ­1­­­C

6= ­2­­­C

3= ­3­­­C

L

2

L

1

L

3

**1**

ACAR2

3

Ω

2

Ω

Ω

Ω

4

A =­­­I

6

C

BCAR2

**A**

**B**

r

1

r

2

**R**

**V**

**A**

r

R

1

R

2

K

0=

­­­ε





cm5

cm4

ABR1

**v**30 = ­2­­­ε

**Ω** 1= 2r

**­**Ω **5=­­­­ 1**R

**­**Ω **8=­­­­ 2**R

**v**20 = ­1­­­ε

**Ω** 5/0= 1r

**v**20 = ­3­­­ε

**Ω** 5/0= 3r

CAR2

BR1



3- = q

1



3- = q

2

3+ = q

3



60

60

m 1= a

**ACAR2**

**BCAR2**

**CCAR2**

***30***

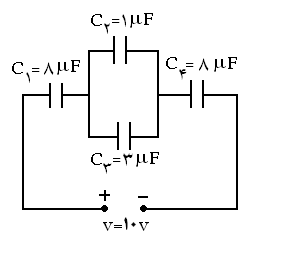
***60***

60

AR2

BR1

EAR2



M

E

**A**CAR2

**B**CAR2



E

ACAR2

BCAR2

ECAR2

­2­­­C

­1­­­C

r

**V**

**R**

r

**V**

**R**

r

**V**

**R**

r

**V**

**R**

(1)

(2)

(4)

(3)

A

BAR2

A

BAR2

A

A

BAR2

w

**50**

w

**50**

w

**100**

w

**50**

w

**50**

w

**100**

w

**50**

w

**50**

w

**100**

w

**100**

w

**50**

w

**50**

(1)

(2)

(4)

(3)

Ω **=­­­­1**R

4

ACAR2

E

Ω **=­­­­2**R

4

v = ­1­­­ε

Ω =1r

10

1

**B**

**V**

**A**

**I**

ACAR2

BCAR2

Ω **=­­­­2**R

2

Ω **=­­­­1**R

2/3

Ω **=­­­­4**R

8

Ω **=­­­­5**R

4

Ω  **=3**R

Ω **=­­­­7**R

3

Ω **=­­­­8**R

2/3

Ω **=­­­­6**R

6

**12**

**­­­­ 1**R

**­­­­ 2**R

ε و r

**A**

**V**

4= ­1­­­C

6= ­2­­­C

3= ­3­­­C

**A**

**3**R

Ω **=­­­­1**R

3

Ω **=­­­­2**R

6

v = ­­­­ε

Ω =r

12

0/5