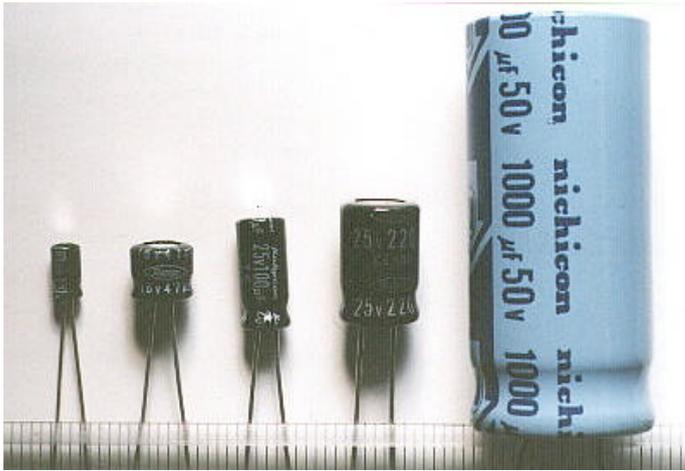


1.

가 . ,
 2 (電荷) 가 . ,
 10 μ F 가 .
 가 () 가 0 .
 가 (,)
 가 () 가 ()
 (farad: F)가 .
 pF(: 10⁻¹²F) 가 . , μ F(: 10⁻⁶F)
 가 3 가
 3 가 3 가 1 가 2 ,
 3 가 가 pF()
 103 10×103=10,000pF=0.01 μ F
 224 22×104=220,000pF=0.22 μ F
 100pF , 47 47pF

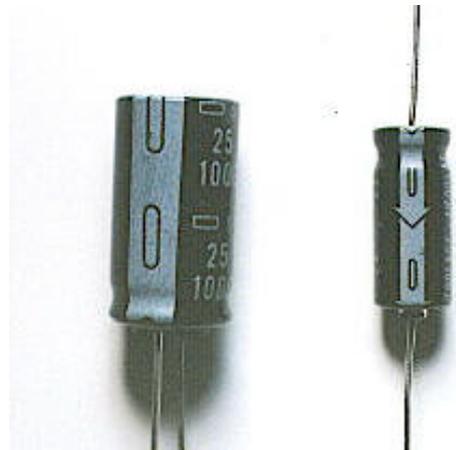
2.

()
 (chemical condenser)
 () 가 . , 가
 () 가 () 가 ()
 1 μ F (, μ F +)
 ()
 ()



1 μF(50V) [5mm, 12mm]
 47 μF(16V) [6mm, 5mm]
 100 μF(25V) [5mm, 11mm]
 220 μF(25V) [8mm, 12mm]
 1000 μF(50V) [18mm, 40mm]

가



3. ()

(tantalum condenser)

가

()

(kraft)

tantalum powder
가

()

).

가

spike

가
가

가

가



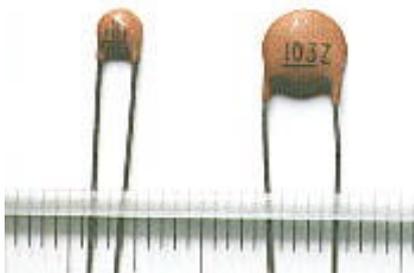
0.33 μ F(35V)
 0.47 μ F(35V)
 10 μ F(35V)

() 가 + 가



4.

(Titanium - Barium)



() 가 가
 가 , ()
 , 100pF ,
 3mm 103 ,
 10x103pF 0.01 μ F가 ,
 6mm .

5.

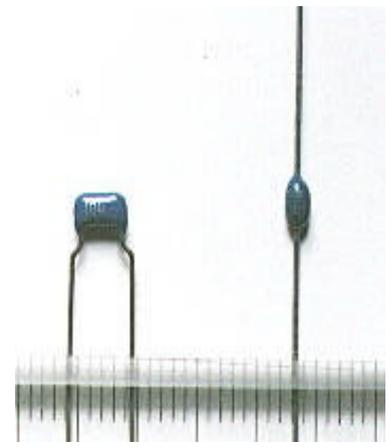
가 ()

$10 \times 104 \text{pF} = 0.1 \mu\text{F}$
2mm

104
4mm, 3mm,

103 ($10 \times 103 \text{pF} = 0.01 \mu\text{F}$)
2mm, 가 4mm

가



6.

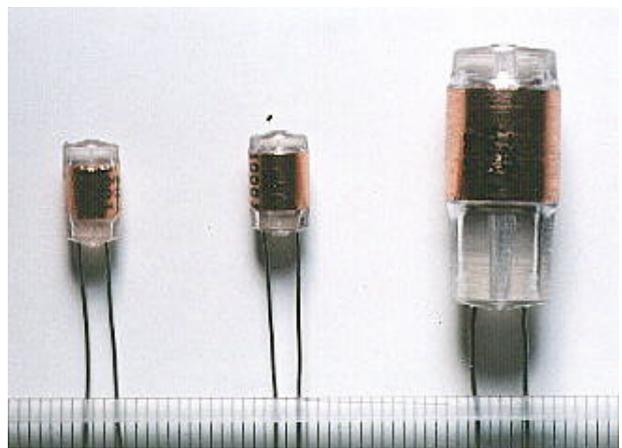
(polystyrene) ()

, kHz

5mm, 10mm 가
10000pF

10mm, 1000pF
24mm

가
100pF
5.7mm, 10mm



7.

(Super Capacity)

0.47F(470,000 μ F)

가

(가

가

가
1,000 μ F

가

(

)

21mm,

11mm

가
가



8.

()

(Mylar)

(polyester)

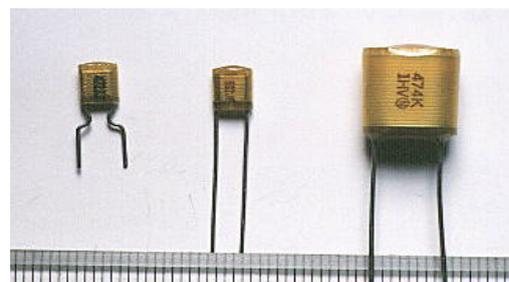
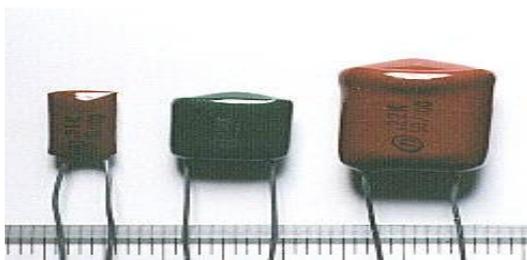
가
 $\pm 10\%$

$\pm 5\%$

: 0.001 μ F(.001K) :5mm, :10mm, :2mm
 : 0.1 μ F(104K) :10mm, :11mm, :5mm
 : 0.22 μ F(0.22K) :13mm, :18mm, :7mm

가

: 0.0047 μ F(472) :4mm, :6mm, :2mm
 : 0.0068 μ F(682) :4mm, :6mm, :2mm
 : 0.47 μ F(474K) :11mm, :14mm, :7mm



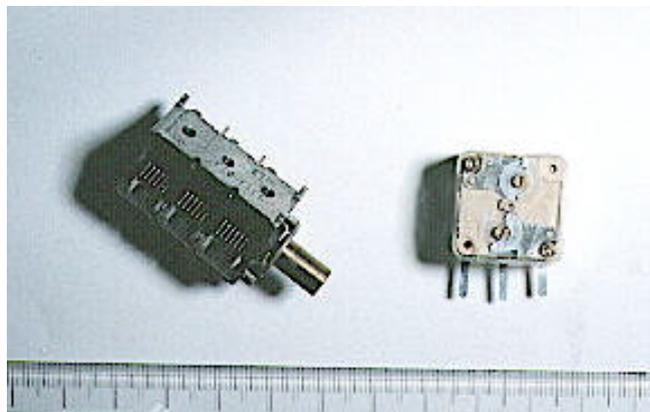
9. 가

() (trimmer) 가 , 가
 () 가)가

: 20pF(3pF 27pF) : 6mm, : 4.8mm
 , : 7pF(2 9), : 10pF(3 15), : 30pF(5 35), : 60pF(8 72)가 .
 : 30pF(5pF 40pF) (): 6.8mm, (): 4.9mm, : 5mm
 가

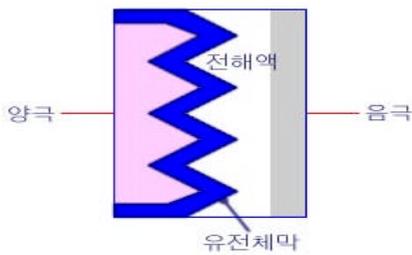
(3 , 3
 2pF 18pF) .
 , 17mm, 29mm()
 가

(2 , 2
 , 12pF 150pF, 11pF 70pF)
 , 20mm, 11mm()
 가 , 15pF

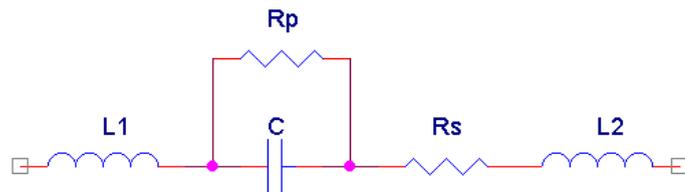


10.

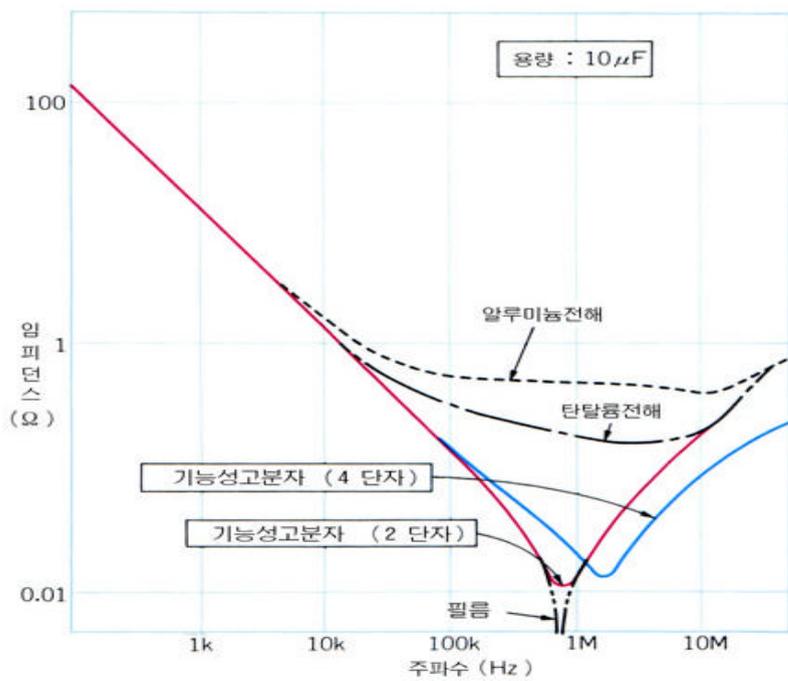
1 () (凹凸)
 가 2
 R_s
 R_s 가 (impedance)가 가 ,
 가 ,
 R_s
 (impedance)
 가 , R_p ,



(1)



(2)



(3)

