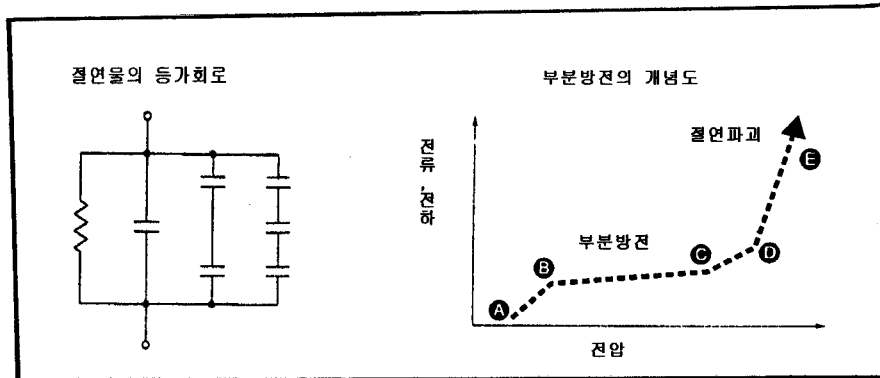


Corona (放電) Inverter Trans



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目次

1. Corona

1-1

1-2

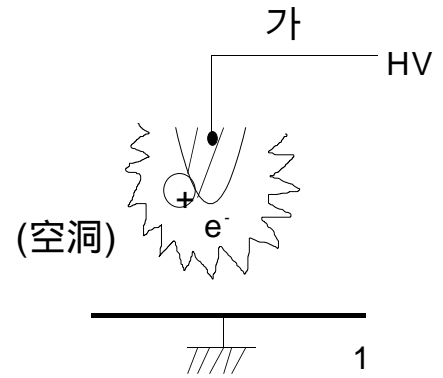
1-3

2. Inverter Trans

2-1

1. Corona
 Corona
 (Plasma=

(高電界)
 가 (遊離))



(Partial Discharge)

1-1

3KV/mm가

가
 가

10Volt 가

Ceramic Chip Capacitor(2)

20u Ceramic

5u

Capacitor 25Volt가 가

5KV/mm

(極細線)

가

10um 가

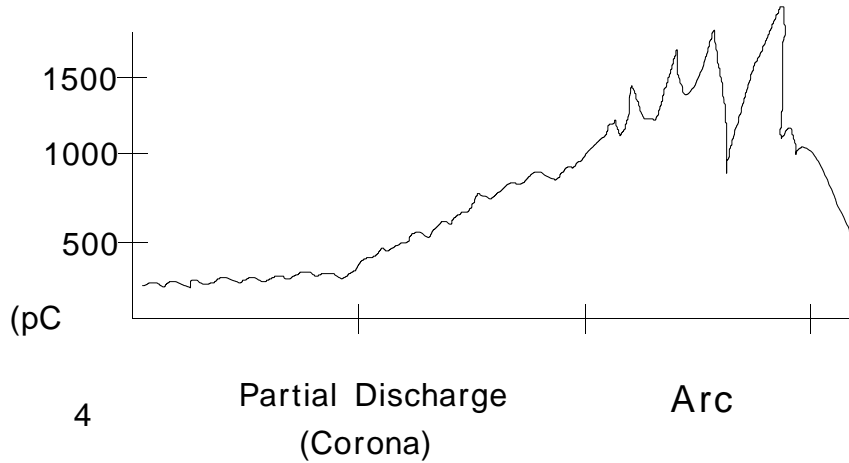
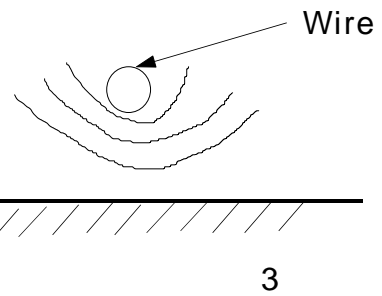
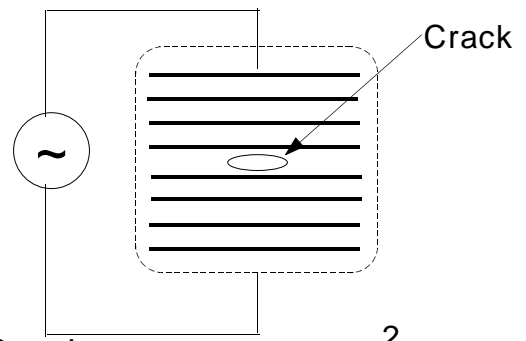
3~5 가

()

1-2

(Partial Discharge)

Corona



(4)
1 Stage,

가 2 Stage,
3 Stage(Arc) Process

가 Arc Break Down

가가
(耐Corona 性)
『 Corona』

Level

Corona

50pC~1500pC

Level

(4)

가

Arc

(4) Process

가

1-3

(1) 가

1

(2) , ,

가

(3) 가

가

(4) 가

Cover 가

2 Inverter

2-1

2~3KV
(30~40KHz)

300~600Volt

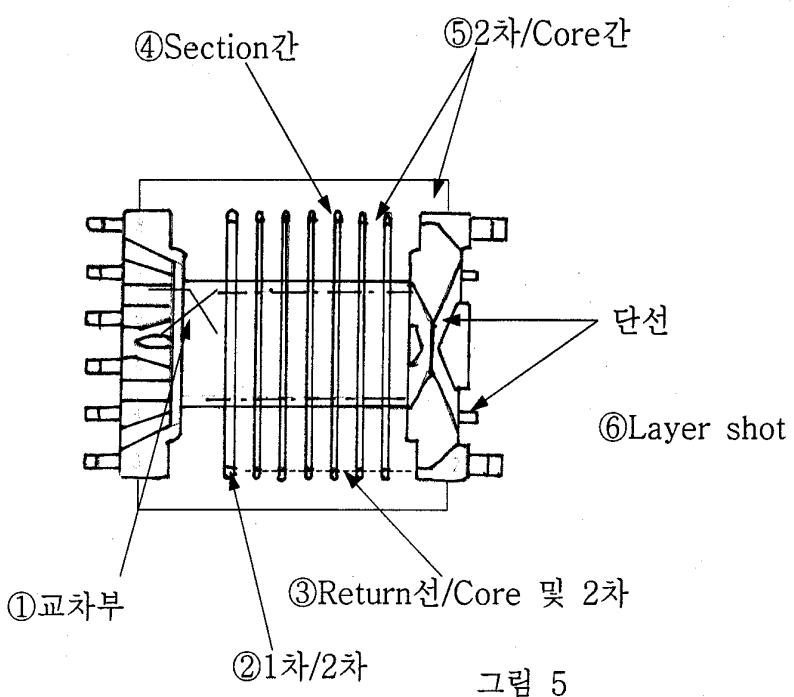
Bobbin

(5)

1

가

0,1 UEW, NY
 2 Coating .Corona
 DC
 (分極)

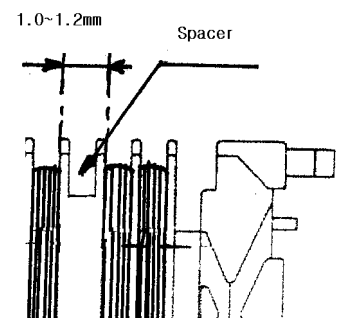


가

그림 5

Varnish
 Potting
 Wax (軟化点) 80~100
 (空洞)

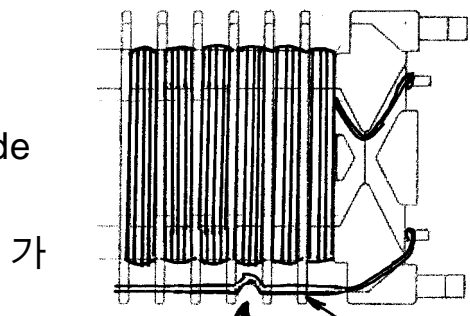
Silicone



1 2 Bobbin Section
 가 가

6

2 Return Section Guide
 가 가



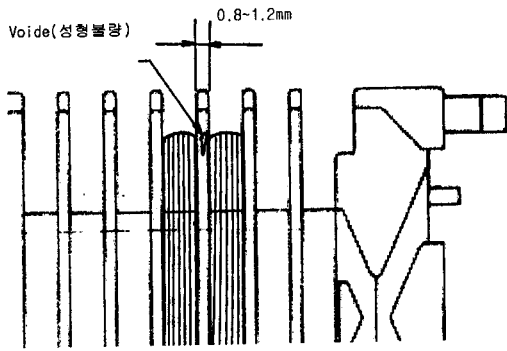
7

2 Section
 2mm 가
 600Volt

가

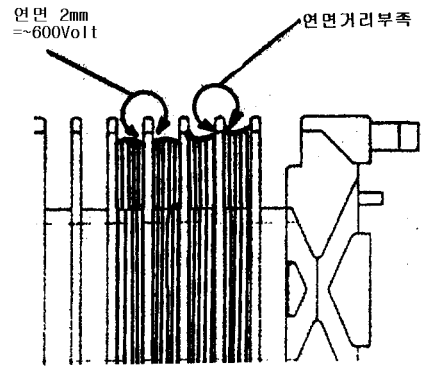
(8,9)

그림9



2 Core
Core (Mn Ferrite
가 (突起) 가

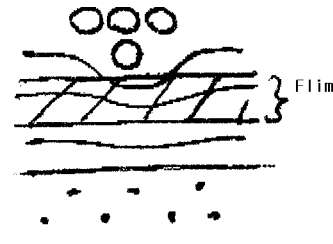
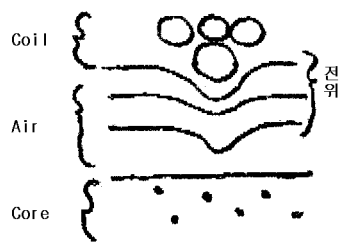
그림8



1.2mm~1.5mm
 $10^2 \sim 10^3$ cm)

Molding

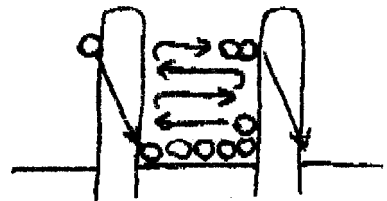
(10)



10

2 Layer Shot
2 가 2~3kV

가



Section

Section

Bobbin

11

(11)

0.03~ 0.05mm
가

20~50g

0.04mm 가 Twist
가

Corona

Inverter Trans

:

:

:

()

131-232

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:

()

*

()