

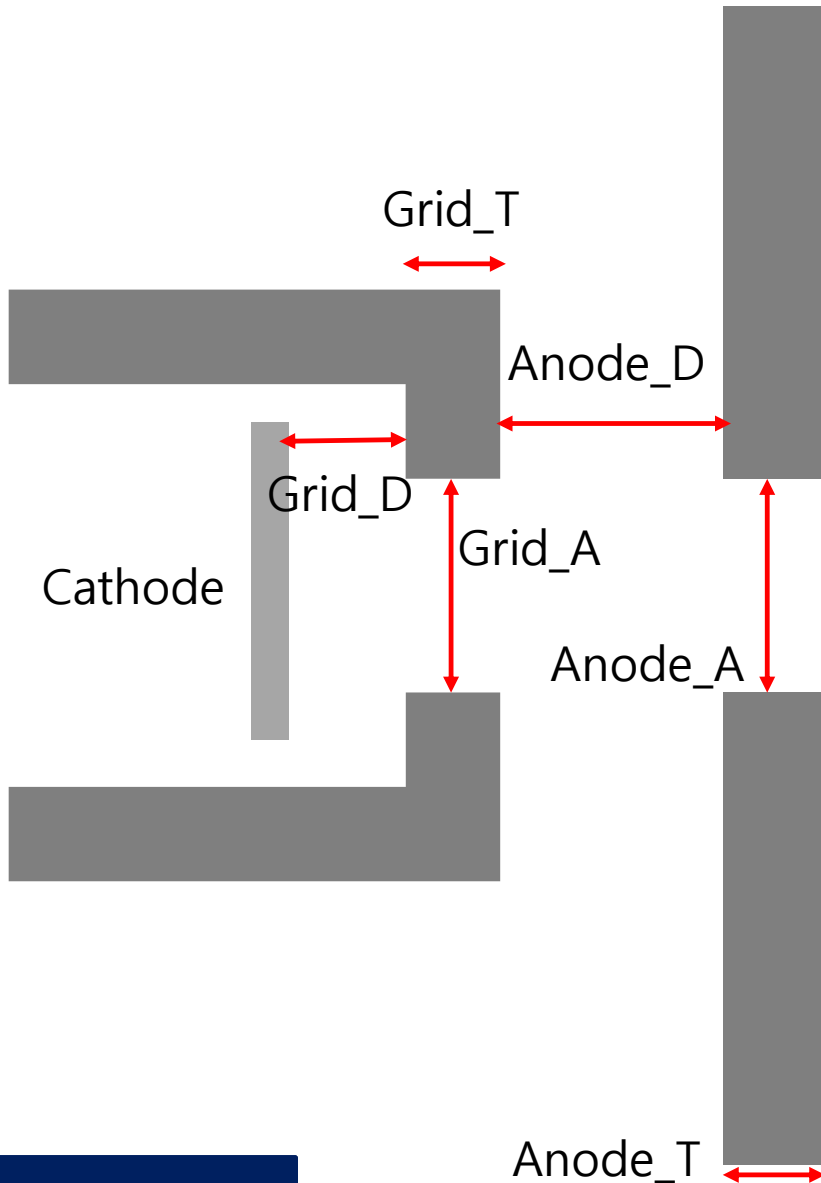


20180312 Meeting

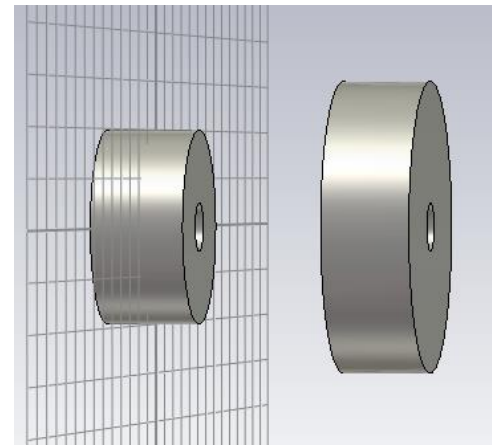
**Korea University
Lim. EunHun**



EGUN TEST with CST



Parameter	Value (mm)
Anode_D	2.0 -> 3.0
Anode_T	1.8 -> 1.8
Anode_A	0.5 -> 0.5
Grid_D	0.30 -> 0.30
Grid_A	0.5 -> 0.5
Grid_T	0.5 -> 0.5



EGUN TEST with CST

Define Fixed Emission

Kinetic settings

Kinetic type: Temperature

☒ Uniform distr. ☐ Maxwell distr.

Kinetic value: 2500 K

Kinetic spread: 20 %

Angle spread: 0 °

Temperature: 300 K

Distribution bins: 100

Fixed emission

☒ Current ☐ Current density

0.0005 A

OK Cancel Help

More >>

Emission density

Number of emission points: 13748 ☒ Adj

Min. Max.

Particle properties

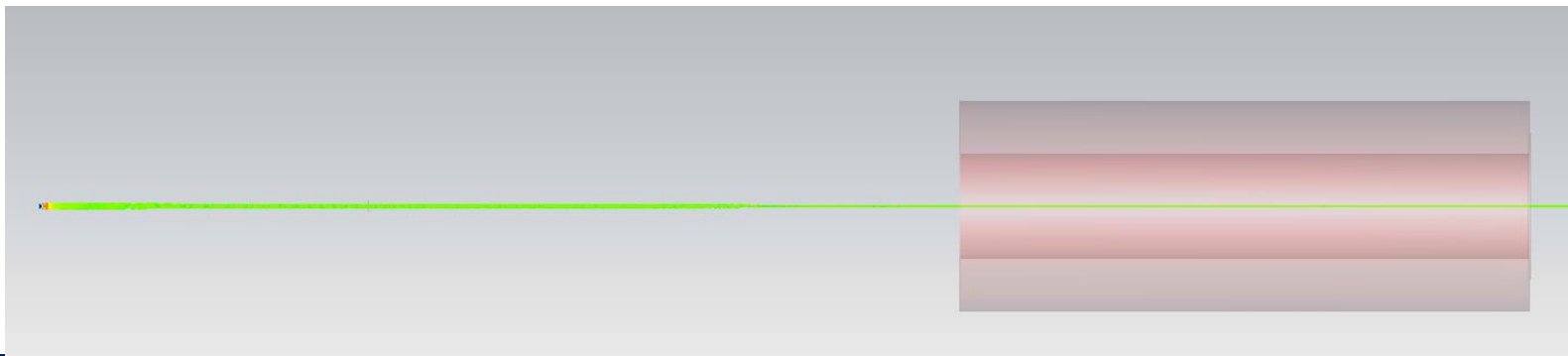
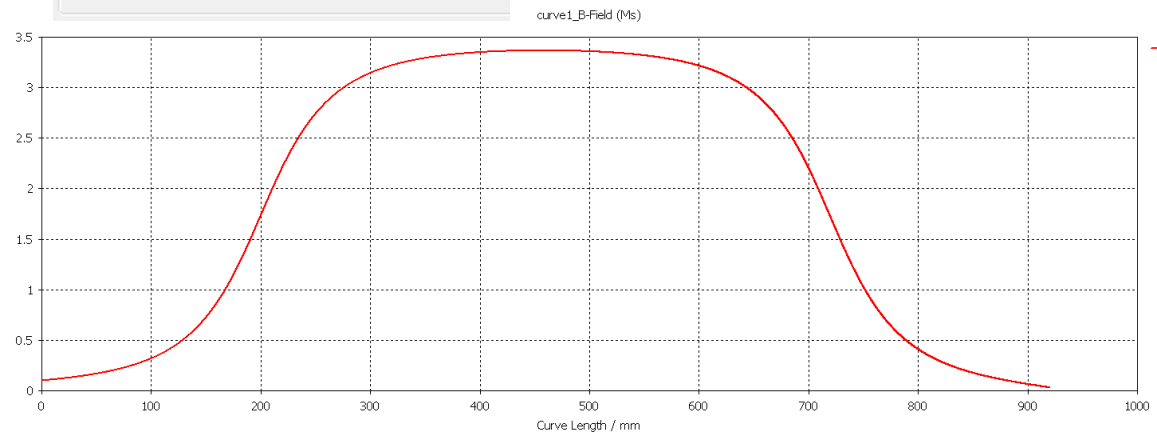
Particle type: electron

Charge per particle: -1.602177e-019 C

Mass per particle: 9.109383e-031 kg

In Magnet(Current)

Particles: 958 with 958 hits
Current : -3,52587e-005 A
Emittance: 1,510306e-005 rad m in x-direction
Emittance: 1,073633e-005 rad m in y-direction



EGUN TEST with CST

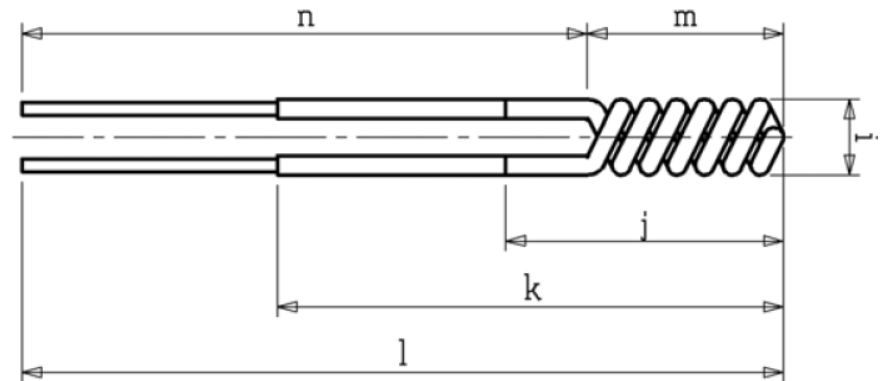
CATHODE는 진공포장이며 포장 개봉 후에도 진공상태로 보관하여야 합니다.
최소 포장개수가 10개로 최소 주문 수량도 10개 단위 입니다.

-1) CATHODE, NJK120A 10개 ₩150,000X10=₩1,500,000(부가세 별도)

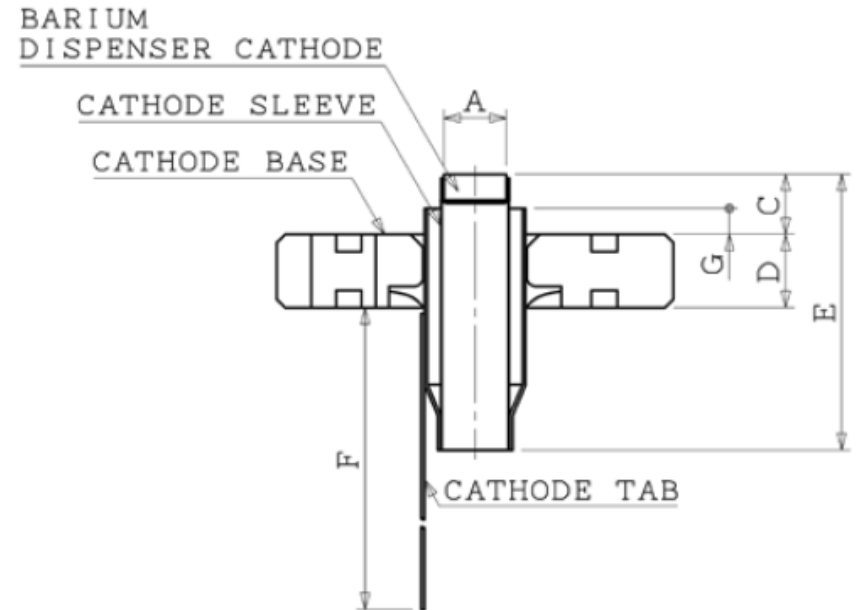
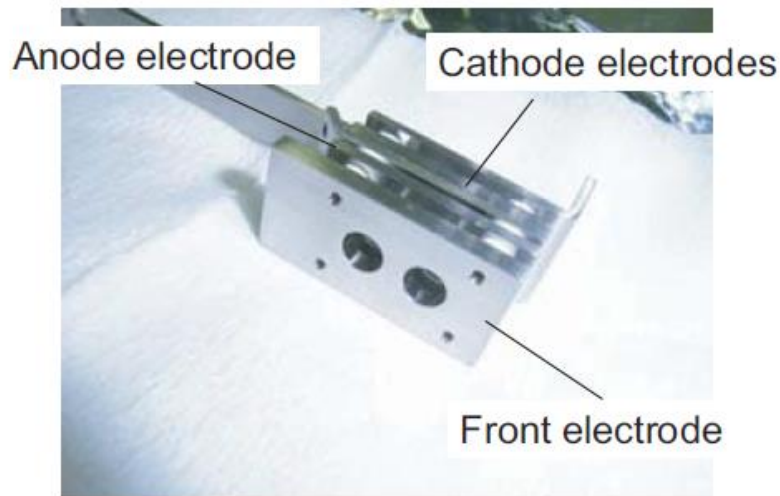
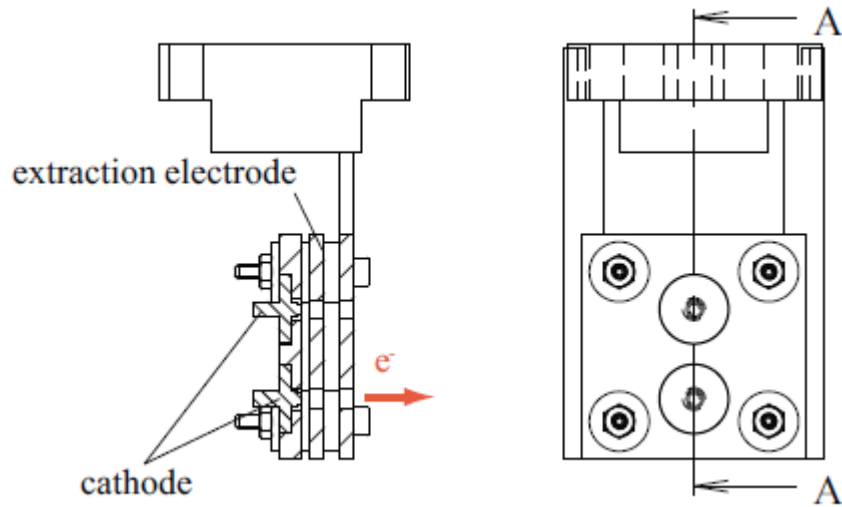
-2) HEATER, NJK1140 10개 ₩50,000X10=₩500,000(부가세 별도)



Cathode type: Ir coated dispenser cathode
Cathode diameter: 1.5 mm / Area: 0.018 cm^2
Current density: 10 A/cm^2 minimum
Heater voltage (Note): 6.3 V
Heater current (Note): 0.3 A



EGUN TEST with CST



DEMENSIONS	Unit : mm
A	ϕ 1.45
B	ϕ 9.2
C	1.4
D	1.7
E	6.4
F	15
G	0.7max

Thank You

