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1. **Metal Coin :**

r = 1,25 cm

R= 2 Ω

**Area of Coin :**

A=2πr(r+t)

A=2π1.25(1,25+0,2)

A = 2,5π(1,45)

A = 11.3 10-2  m2

ρ =

=

= 113 mΩ

1. **Tenol**

r = 0.05 cm

R =16 Ω

**Area of Tenol/Timah**

A=2πr(r+t)

A=2π1.25(1,25+6)

A= 2.5 π (7.25)

A= 57 x 10-2

ρ =

=

= 152 mΩ

1. **Ruler**

p = 30 cm

l = 3 cm

t = 0.04 cm

R = 2.2 Ω

**Area of ruler**

A = p x l x t

= 30 x 3 x 0.04

= 0.036 m2

ρ =

=

= 2.64 mΩ

1. Type of dioda which be able to rectifier electric current minimal 10 A and hold out of voltage 1000 volt is **Diode Zener IN4728**

**Documentation :**



