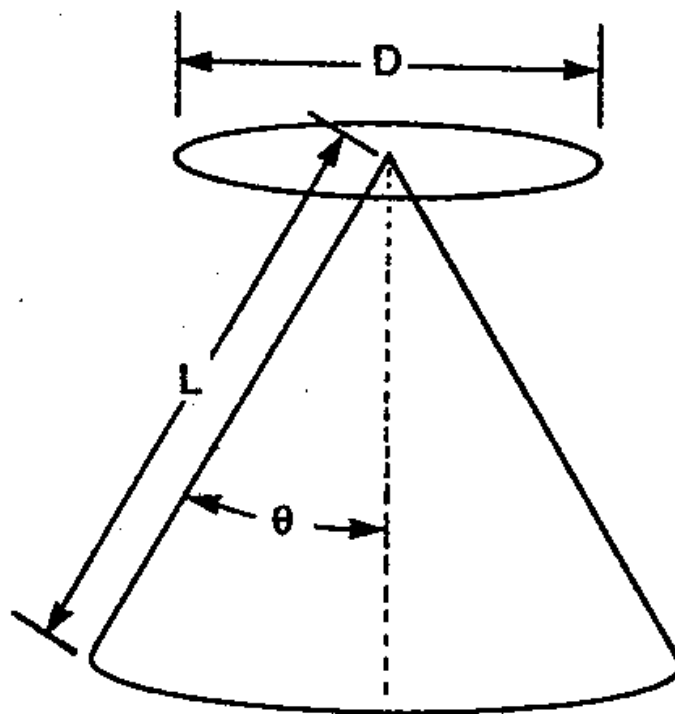


DISCONE FIGURES

Fig 1 Discone Dimensions



$$L = 2953/F_{\text{MHz}} \quad a$$

$$D = 2008/F_{\text{MHz}}$$

$$\theta = 25^\circ \text{ to } 40^\circ$$

$$S = 20\% \text{ of coaxial line diameter or } 0.125 \text{ inch}$$

Where F = lowest frequency—700 MHz selected, D = disc diameter, L = length of cone element, θ = angle of cone—selected value, and S = spacing—selected value

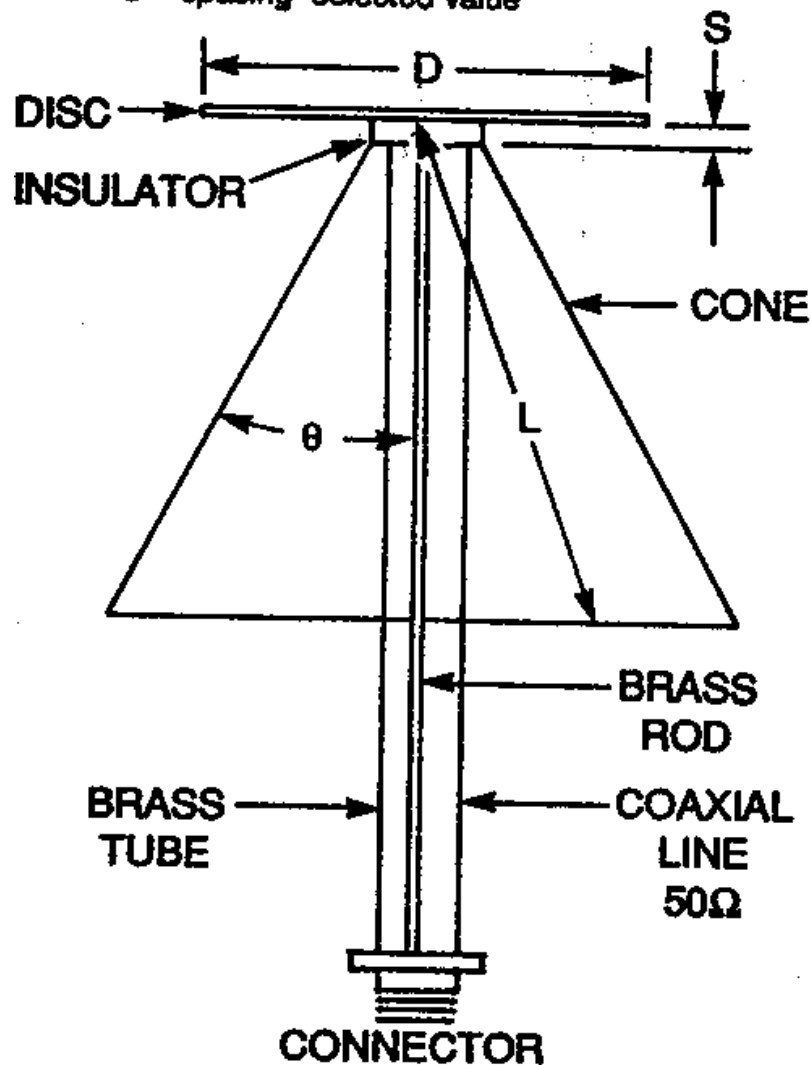


Fig 2 Discone Parts

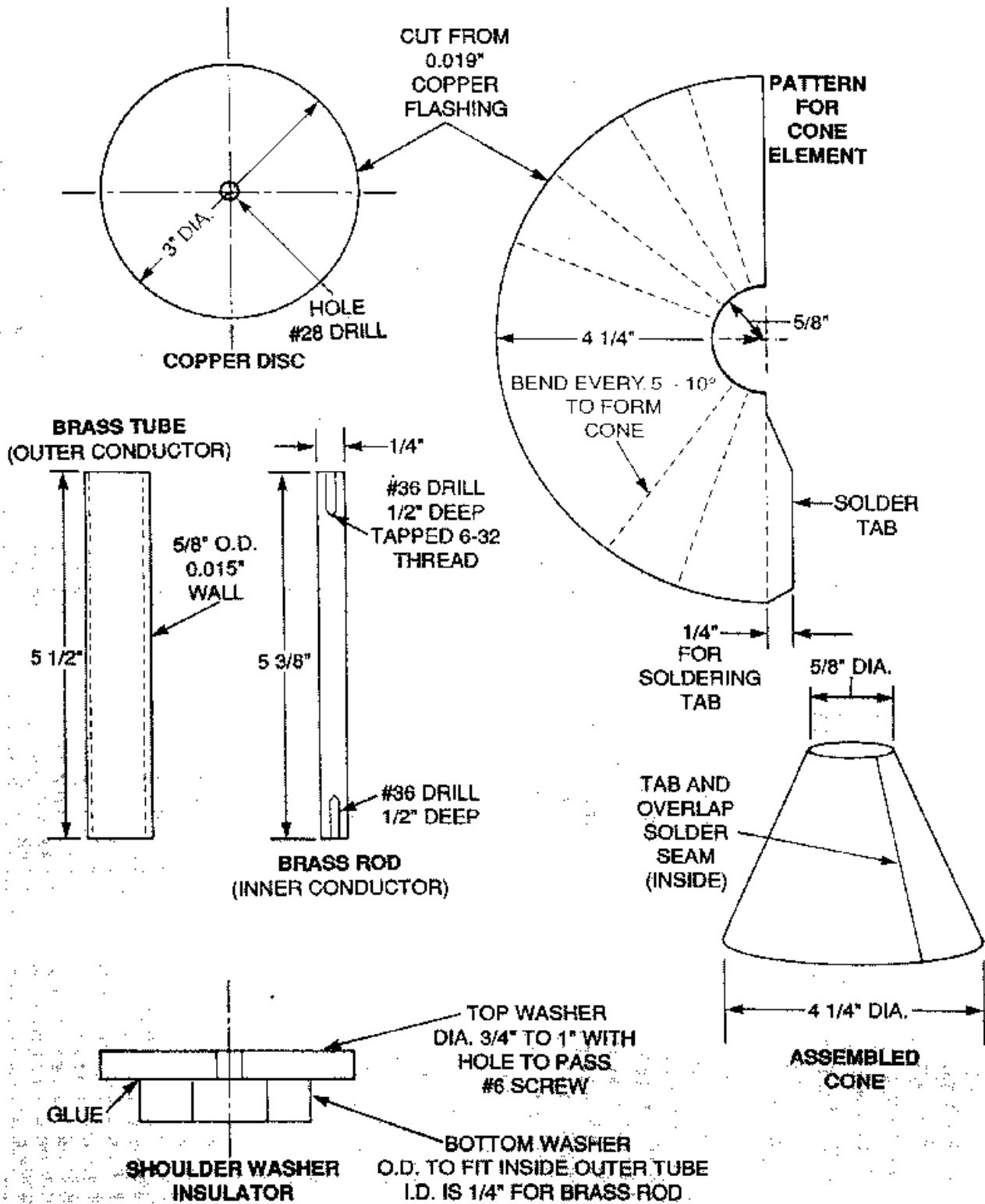


Fig 3 Discone Construction

