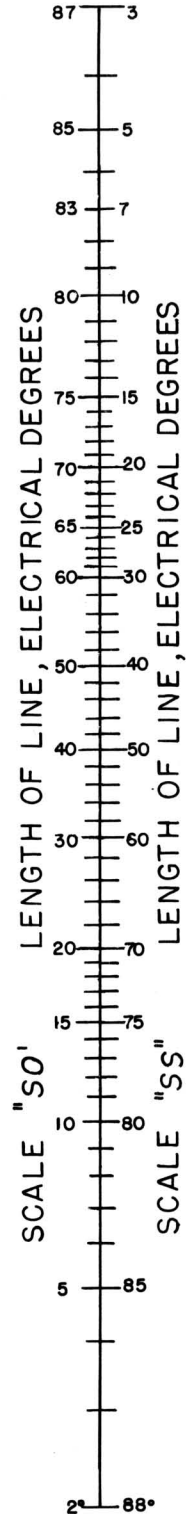




SENDING END IMPEDANCE OF UNIFORM LINE



For open lines:

$$Z_{SO} = j X_{OC}$$

where

$$X_{OC} = \frac{Z_0}{\tan \theta}$$

Find θ on scale "SO".

For shorted lines:

$$Z_{SS} = -j X_{SS}$$

where

$$X_{SS} = Z_0 \tan \theta$$

Find θ on scale "SS".



SENDING END IMPEDANCE OF UNIFORM LINE

This chart is used to obtain input reactance of shorted and open transmission lines. Lossless lines and lossless dielectric are assumed.