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 $2 \omega \pi \beta =$ Substituting In For ω Using $\beta \omega = \pm lc$. (1.3) We Obtain $1 V LC =$ (1.6) Note: If The Device Is Air Cored, Then The Velocity
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 Fields And Waves Z Y R X Figure 6.1. Rectangular,
 Cylindrical, And Spherical Coordinate Systems. The
 Cross Product Of These Vectors Is $A \sim \times B \sim = X^1 X^2$

$$\hat{x}^3 A_1 A_2 A_3 B_1 B_2 B_3 = (A_2 B_3 - A_3 B_2)\hat{x}^1 + (A_3 B_1 - A_1 B_3)\hat{x}^2 + (A_1 B_2 - A_2 B_1)\hat{x}^3, \quad (6.3)$$
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