

## Chapter 3: Wave Guides

- What is Wave guide
- Difference between wave guide and transmission line
- Transmission Modes in Wave guides
- Excitation of wave guide
- Coupling Wave Guides
- Elements for coupling Wave guides
- Circular Wave guides
- Rectangular Wave Guides
- Cut of Frequency
- Junctions
- Attenuation In wave Guides
- Coaxial Cable
- Micro strip Antennas
- Comparison of Wave Guides and transmission Lines