



CHARACTERISTICS OF GUNN DIODE OSCILLATOR

MODEL - MICROWAVE101

This trainer has been designed with a view to provide practical and experimental knowledge of Microwave technology with different experiments.



SPECIFICATIONS

LIST OF COMPONENTS:

	Quantity
1. Solid State Power Supply	: 1
2. Power Supply Gunn Oscillator	: 1
3. Gunn Oscillator	: 1
4. PIN Modulator	: 1
5. Isolator	: 1
6. Frequency Meter	: 1
7. Variable Attenuator	: 1
8. Slotted Section	: 1
9. Tunable Probe	: 1
10. Detector	: 1
11. Movable Short	: 1
12. Matched Termination	: 2
13. Wave Guide Stand	: 5
14. VSWR Meter	: 1
15. Fixed Attenuator	: 3dB
16. Fixed Attenuator	: 6dB
17. Fixed Attenuator	: 10dB
18. Variable Attenuator	: 20dB
19. E-Plane Tee	: 1
20. H-Plane Tee	: 1
21. Magic Tee	: 1
22. Directional Coupler 3dB	: 1
23. Directional 10dB	: 1
24. Cross Directional	: 1
25. Coupler	: 20dB
26. T-Circular	: 1
27. Y-Circular	: 1
28. Cooling Fan	: 1
29. BNC Cable	: 2
30. TNC Cable	: 1

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Dealer:-

EXPERIMENTS

1. Study of Gunn Oscillator
2. SWR, Reflection Coefficient Measurement
3. Radiation Pattern of Antennas
4. Dielectric Measurement of Solids/Liquids
5. Study of E-Plane, H-Plane, Magic Tees, Bend
6. Study of Fixed/Variable Attenuator
7. Frequency, Guide Wavelength Measurement
8. Impedance Measurement
9. Measurement of Gain of Antennas
10. Phase Shift Measurement
11. Study of Directional Couplers
12. Study of Isolator's Circulators