



MICRO STRIP LINE TRAINER

MODEL - MSANT100

This trainer has been designed with a view to provide theoretical and practical knowledge of Micro strip line antenna and its characteristics.



SPECIFICATIONS

Microstrip systems trainer has been designed for teaching and measuring various parameters associated with solid state microwave applications ranging from land and mobile communications to high-speed computing and data transmission.

The trainer comprises of S-36R synthesized receiver with built-in tracking generator, 2 microstrip antennas and 17 microstrip components (passive & active components), terminations, connectors and cables required to construct the commonly used configurations.

STS-3069 microstrip analysis software offers comprehensive measurement functions.

1. Power Dividers : Two way equal power, Four way equal power, Two way un-equal power,
2. Directional Coupler : Two branch, Three branch, Coupled Line, Rat Race
3. Filters : Low Pass , Band Pass, Band Reject (Notch)
4. Other Components : Rectangular Resonator, Attenuator 6dB, Circulator - Isolator -Active Devices Amplifier Oscillator (VCO), Mixer, Pin Diode Switch
5. Microstrip antennas : 2 nos
6. Terminations, Short, open, match & loads, Misc cables & connectors

EXPERIMENTS

1. To measure gain of Micro strip line antenna.
2. To plot radiation (directivity) pattern of Micro strip line antenna.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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