

TECHNICAL SPECIFICATION

- Active and passive components:
 - Mounted into metal units
 - Teflon substrate with gold-plated stripline (VCO unit excluded)
- Multifunction unit including:
 - VSWR/Level Meter
 - Sine, Square and X-axis Wave Generators
 - Loudspeaker with AF amplifier
 - Main Power supply with fixed and adjustable outputs
- 1 LOG Detector diode
- 1 LOG Detection unit:
 - Calibration sheet
 - 70dB dynamic range
- 1 VCO (voltage controlled oscillator) unit:
 - ISM band
 - Frequency controlled by external Voltage or internal PLL circuit
 - Output power: 8 - 12 dBm
- 1 four-port Directional coupler unit, coupling gain 18 dB
- 1 Filter unit: LPF and HPF
- 1 Circulator and BPF Filter unit, three-port
- 2 Power divider units: 2-port Wilkinsons, isolation 15 dB typ.
- 1 Rat Race Hybrid coupler unit, coupling gain 3dB
- 1 Ring resonator unit, 2.4-2.5 GHz: Notch and Band-Pass Filters
- 2 Branch Line Coupler units: quadrature hybrid coupler
- 1 PIN diode modulator unit
- 1 Load unit:
 - 3-Matched loads: selective and wideband
 - 3 load impedances
- 2 MMIC Monolithic integrated amplifier unit, gain 18.7dB (17.6dB min.)
- 1 adjustable Stripline module for VSWR measurement

- 3 GaAsFET Amplifier unit with different Bias network:
 - Butterfly, Direct and PAD
- Adjustable VSWR measure stripline unit
- 2 Patch microstrip antennas:
 - 2 SMA IN connector
 - Dual Polarization
 - 8.5 dB Gain
 - Return loss: 15 dB typ.
- 5 Matched termination, 50 Ohm
- 2 Short-circuit termination
- 2 Open-circuit termination
- 1 20dB coax attenuator
- 10 SMA-SMA plug adapter
- 1 BNC-BNC coax cable
- 1 SMA-N coax cable
- 2 SMA-SMA coax cable
- Frequency range: 2.3 - 2.7 GHz
- IN/OUT: 50 Ohm impedance, SMA female
- Handy aluminum suitcase

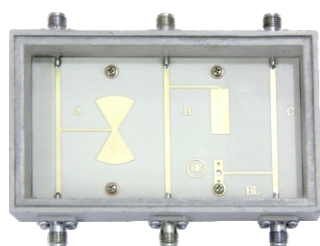
Power supply: 230 Vac 50 Hz single-phase - 25 VA
(Other voltage and frequency under request)

Dimensions: 580 x 210 x 460 mm (tray)

Weight: 14 kg

SUPPLIED WITH

THEORETICAL-EXPERIMENTAL MANUAL
PRACTICAL EXERCISES: MEASUREMENT AND PARAMETERS VARIATION



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