

HIGH-POWER AUTOMATED TUNERS

0.25 TO 8.0 GHz

Features

- Optimized for GSM/EDGE, WCDMA, WiFi and WiMax In-Fixture and On-Wafer Applications
- High matching Range for GaN, GaAs, LDMOS, and Si Characterization
- Simultaneous High Matching and Low Vibration for On-Wafer Applications
- USB Interface for Simple, Fast, and Reliable Control
- DLL Environment for Automated Applications
- Industry's Highest Accuracy Means Your Designs Work Right the First Time
- Industry's Best Calibration Frees Your Time for Design



MT981BU10
High-Power Automated Tuner

Applications and Benefits Overview

The MT981 series automated tuners are optimized for high power in-fixture and on-wafer applications requiring low impedance and low vibration simultaneously. Based on Maury's proven non-contacting probe technology, these high-performance tuners evolve beyond outdated contacting probe technology to deliver high VSWR with superb accuracy and reliability. An integral component of Maury's Device Characterization Solutions, these PC-based USB-interface automated tuners are controlled using Maury's family of Device Characterization Software tools including the ATS Version 5 (or later) interactive environment and the DLL-based measurement automation environment. The ATS interactive environment is an integrated device characterization environment providing comprehensive calibration and device characterization tools for power and noise optimization. The DLL environment enables direct interface with common programming tools such

Agilent VEE™, NI Labview™, MS Visual Basic & C/C++, and Mathworks MATLAB™. With a tuning resolution in excess of a million impedance points and accuracy better than -50 dB over the entire Smith Chart, Maury automated tuners give you the device characterization answers you need with the accuracy necessary to make engineering decisions with confidence. Typical applications include load-pull using CW, GSM/EDGE, CDMA, WCDMA, WiMax, and WiFi stimulus for mobile and infrastructure terminal design, RADAR design, and Sat-Com design.

Controller

For optimum performance, the MT1020B ATS Power Distribution Hub can be used to control up to four (4) MT981U series tuners. Additionally, the MT1020D Desktop Switching Power Supply can be used to provide power to a single MT981HU series tuner.

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