

TEKTRONIX

RSA6114A

The Tektronix RSA6114A is a 14 GHz Real-Time Spectrum Analyzer belonging to the RSA6000 Series. It combines the capabilities of a high-performance spectrum analyzer, a wideband vector signal analyzer, and a unique real-time trigger-capture-analyze system. Featuring a revolutionary DPX spectrum display, it detects transient signals as short as 24 μ s with 100% probability of intercept, making it an indispensable tool for debugging complex RF, microwave, and wireless design issues.

SPECIFICATIONS

General

Display	10.4-inch (264 mm) touch screen, XGA (1024 × 768)
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Frequency & Bandwidth

Frequency Range	9 kHz to 14 GHz
Real-Time Analysis Bandwidth	40 MHz (standard), 110 MHz (with Opt. 110)

Real-Time Signal Processing & Triggering

Frequency Mask Trigger (FMT) Bandwidth	40 MHz (standard), 110 MHz (with Opt. 110)
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Measurement & Analysis Capabilities

Digital Modulation Analysis Option	Opt. 21 (General Purpose Digital Modulation Analysis)
Pulse Measurement Option	Opt. 20 (Advanced Measurement Suite)
Settling Time Measurements Option	Opt. 12 (Settling Time Measurements: Frequency and Phase)

Signal Inputs & Outputs

RF Input Impedance	50 ohms
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System, Connectivity & Control

Internal Operating System	Windows XP Professional
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Configuration & Hardware Options

Preamp Option	Option 01 (Internal Preamplifier, 10 MHz to 6.2 GHz)
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Environmental

Shock and Vibration Compliance	MIL-PRF-28800F Class 3
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Options

Option 10 (Audio Analysis)	Enables standard AM/FM/PM audio analysis and measurements
Option 11 (Phase Noise and Jitter)	Enables phase noise and jitter measurements

Options & Upgrades

Option 110 Acquisition Bandwidth	Upgrades real-time acquisition bandwidth to 110 MHz
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Inputs & Outputs

LAN Interface	10/100/1000 Base-T Ethernet
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TECHNOLOGY

Real-Time Spectrum Analysis

APPLICATIONS

RF/Microwave Design, Wireless Communications, Radar and Electronic Warfare Analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.