

EIP MICROWAVE

548A

The EIP Microwave 548A is a high-performance microwave frequency counter designed for precise frequency and power measurements up to 26.5 GHz. Known for its robust design and exceptional signal discrimination, it serves as a staple tool in microwave laboratories and automated test systems. It features a high-visibility 12-digit LED readout and three input bands spanning from 10 Hz up to 26.5 GHz.

SPECIFICATIONS

General

Display	12-digit LED readout
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Frequency Measurement Channels

Low Frequency Band 1 Range	10 Hz to 100 MHz
Low Frequency Band 1 Sensitivity	25 mV rms
Low Frequency Band 1 Impedance	1 MΩ
Low Frequency Band 1 Connector	BNC female
Medium Frequency Band 2 Range	10 MHz to 1.0 GHz
Medium Frequency Band 2 Impedance	50 Ω
Medium Frequency Band 2 Connector	BNC female
Microwave Band 3 Range	1.0 GHz to 26.5 GHz
Microwave Band 3 Impedance	50 Ω

Power Measurement

Power Measurement Frequency Range	1.0 GHz to 26.5 GHz (with Option 02)
Power Measurement Display Units	dBm (with Option 02)

Time Base and Reference Oscillator

Internal Reference Frequency	10 MHz
Aging Rate per Day	$< 5 \times 10^{-10}$ per day after 24-hour warm-up (with Option 01 Ovenized Oscillator)
Reference Output Frequency	10 MHz

Control and Math Functions

Display Hold	Front panel button toggle
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Environmental Limits

Operating Temperature Range	0 to 50 °C
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Options and Accessories

Rear Panel Input Connector Option	Option 09
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Power Requirements

Line Voltage Settings	100 / 120 / 220 / 240 VAC ±10%
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Performance

Multiple-Signal Amplitude Discrimination Separation	10 dB (minimum separation between largest signal and others)
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Power Supply

AC Line Voltage Ranges	100 / 120 / 220 / 240 VAC (±10%, selector switch configuration)
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Interfaces & Control

GPIB Address Selection	Front-panel keyboard
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TECHNOLOGY

Microwave Frequency Counting

APPLICATIONS

RF & Microwave Frequency and Power 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.