

ANRITSU

MA2472A

The Anritsu MA2472A is a standard diode power sensor designed for use with the ML2400 series power meters. It covers a frequency range of 10 MHz to 18 GHz and a power measurement range of -70 dBm to +20 dBm, providing accurate power measurements for CW and modulated RF signals.

SPECIFICATIONS

General

Interfaces	Analog sensor interface (compatible with Anritsu ML2400 Series power meters)
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Physical

Power Supply	Powered via power meter connection
Operating Temperature	0 to 50 °C °C
Dimensions (W×H×D)	32 mm × 25 mm × 83 mm (excluding connector) mm
Weight	0.1 kg kg

Measurement Ranges & Power Specifications

Frequency Range Minimum	10 MHz
Frequency Range Maximum	18 GHz
Power Measurement Range Minimum	-70 dBm
Power Measurement Range Maximum	+20 dBm
Maximum Continuous Input Power	+23 dBm
Maximum Peak Input Power	+26 dBm (< 2 μs)
Dynamic Range	90 dB

Sensor Technology & Architecture

Sensor Detection Type	Diode
Measurement Modes Supported	CW, Modulated (average power)

RF Port Characteristics

Input Impedance	50 Ω
RF Connector Type	N
Connector Sex	Male
Maximum SWR (10 MHz to 2 GHz)	1.12
Maximum SWR (2 GHz to 12.4 GHz)	1.22
Maximum SWR (12.4 GHz to 18 GHz)	1.25

Accuracy, Calibration & Noise

Zero Set	< 50 pW
Zero Drift	< 10 pW

Meter Compatibility & System Integration

Compatible Power Meter Models	Anritsu ML2437A, ML2438A, ML2487A, ML2488A, ML2495A, ML2496A
Calibration Factor Storage Type	Internal EEPROM
Internal Calibration Support	Yes (with 50 MHz reference calibrator on power meter)

Environmental Parameters

Operating Temperature Range	0 to +50 °C
Storage Temperature Range	-40 to +70 °C

Performance

Rise Time	< 4 μs
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Accuracy & Linearity

Linearity (-70 to -20 dBm)	< 1.8%
Linearity (-20 to +10 dBm)	< 1.1%
Linearity (+10 to +20 dBm)	< 1.8%

Connectivity

Cable Compatibility	Anritsu MA2400A series sensor cables
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TECHNOLOGY

Diode Power Sensor

APPLICATIONS

RF Power Measurement

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