

**Aumictech**

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Data Sheet

August 15, 2026

IFR/MARCONI

Marconi 6923 RF Power Sensor

The Marconi 6923 is a Schottky-barrier diode power sensor for Marconi 6960/6970-class power meters. OEM Marconi 6910/6920/6930 sensor tables list 6923 frequency 10 MHz to 26.5 GHz, power range -70 dBm to -20 dBm (0.1 nW to 10 uW), maximum RF input +26 dBm (300 mW) CW and +30 dBm (1 W) peak for 2 microseconds, and a precision 3.5 mm male 50-ohm connector. Sensors ship with a 30 dB plus or minus 0.05 dB precision attenuator specified at 50 MHz, 25 C, and adapter 23443/822 for the 0 dBm power reference. Low-level RF power measurement from 10 MHz to 26.5 GHz on Marconi/IFR power meters. Marconi 6923 Diode RF Power Sensor 10 MHz to 26.5 GHz The Marconi 6923 is a Schottky-barrier diode power sensor for Marconi 6960/6970-class power meters. OEM Marconi 6910/6920/6930 sensor tables list 6923 frequency 10 MHz to 26.5 GHz, power range -70 dBm to -20 dBm (0.1 nW to 10 uW), maximum RF input +26 dBm (300 mW) CW and +30 dBm (1 W) peak for 2 microseconds, and a precision 3.5 mm male 50-ohm connector. Sensors ship with a 30 dB plus or minus 0.05 dB precision attenuator specified at 50 MHz, 25 C, and adapter 23443/822 for the 0 dBm power reference.



MODEL

IFR/Marconi 6923

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6923

LISTING

<https://aumictechlabs.com/products/6923-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The IFR/Marconi 6923 is a versatile RF signal generator designed for demanding testing and measurement applications. It has stable and accurate signal generation over a broad frequency

spectrum, essential for evaluating receiver performance, conducting component testing, and performing calibration procedures. Featuring a durable construction and intuitive controls, the 6923 is well-suited for use in various environments, from research and development labs to on-site field testing.

6923 Characteristics / Specifications

PARAMETER	VALUE
Model	6923
Instrument Type	Diode RF power sensor
Frequency Range	10 MHz to 26.5 GHz
Power Range	-70 dBm to -20 dBm (0.1 nW to 10 uW)
Maximum Cw Input	+26 dBm (300 mW) CW
Maximum Peak Input	+30 dBm (1 W) peak for 2 us
Sensing Element	Schottky barrier diode
Rf Connector	precision 3.5 mm male, 50 ohm
Supplied Attenuator	30 dB plus or minus 0.05 dB at 50 MHz at 25 C
Reference Adapter	23443/822 for connection to 0 dBm power reference
Related 20 Ghz	6920 10 MHz to 20 GHz
Related 40 Ghz	6924 30 kHz to 40 GHz
Related 46 Ghz	6924S 10 MHz to 46 GHz
Host Meters	Marconi 6960/6970 class power meters
Manufacturer	Marconi IFR Aeroflex
Use Case	low-level microwave power sensing
Literature	Marconi 6910/6920/6930 power sensor table
Family	Marconi 69xx diode sensors
Documentation Type	OEM Marconi sensor table
Brand Lineage	Marconi IFR Aeroflex
System Role	RF power sensor
Form Factor	coaxial diode sensor
Cable	multiway socket for power-meter cable
Field Replaceable	field replaceable RF assembly class on the sensor family

6923 Specifications

PARAMETER	VALUE
Marconi 6923 Diode RF Power Sensor 10 MHz to 26.5 GHz	Overview
Applications	Low-level RF power measurement from 10 MHz to 26.5 GHz on Marconi/IFR power meters.
Key Features	10 MHz to 26.5 GHz
Schottky barrier diode	3.5 mm male 50 ohm
Technical Specifications	Model: 6923

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
From Marconi 6910-6920-6930 sensor tables for 6923 (10 MHz-26.5 GHz, -70 to -20 dBm, +26 dBm CW / +30 dBm	

peak 2 us, Schottky, 3.5 mm male, 30 dB plus or minus 0.05 dB attenuator at 50 MHz 25 C). VSWR versus band is on the same table's VSWR rows.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.