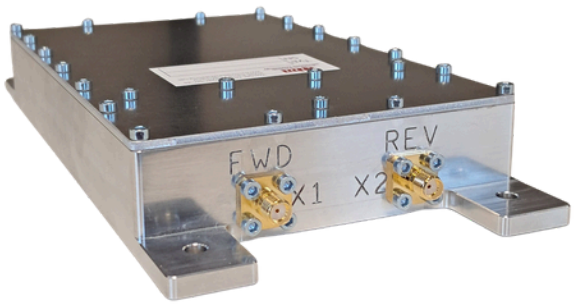
Power Detector FM-PD2CH2450S-PN

GENERAL INFORMATION

The Power Detector FM-PD2CH2450S-PN is designed for industrial drying and heating applications, as well as for research use in laboratory environments. This Power Detector provides a fieldbus interface using PROFINET ™.

A PROFINET ™ interface is available for monitoring forward and reflected RF power in combination with a programmable logic controller (PLC). The device features two RJ45 ports, which allows daisy-chaning multiple devices.

The Power Detector can operate as a stand-alone measurement device or, with customer-specific calibration, in combination with a circulator/isolator, Isolauncher, or a directional coupler.



SPECIFICATION

Electrical and Technical Data

Frequency range	2400 MHz - 2500 MHz
Dimensions (L x W xH)	204 mm x 100 mm x 30 mm
Power supply	24 V_{DC}



Output (Forward and reflected power)

Fieldbus	PROFINET ™

RF Inputs

Absolute maximum RF input power	20 dBm (100 mW)
Maximum calibrated RF input power	10 dBm (10 mW)
Minimum calibrated RF input power	-30 dBm (1 µW)

The maximum and minimum calibrated RF input power values define the usable range for stand-alone operation. In all other cases, the FM Power Detector is considered customer-calibrated, and a separate calibration note is provided.

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