

+10 to +37 dBm Limiter

RLM-43-5W+

50Ω Broadband 20 to 4000 MHz



CASE STYLE: TT1224

The Big Deal

- Broadband, 20 MHz to 4 GHz
- Low output power leakage, +12 dBm
- Excellent limiting range, +10 to +37 dBm
- 0.3 dB Δ output / 1 dB Δ input

Product Overview

Mini-Circuits' RLM-43-5W+ is a passive PIN diode RF limiter ideal for protecting sensitive receiver circuitry from high-power signals, while allowing low-powered signals to be received.

Providing limiting range from +10 to +37 dBm and +12 dBm typical output power, the RLM-43-5W+ is ideal for many situations where unwanted signals prevail such as manufacturing sites, train tunnels, radar transceivers and more. The limiter is housed in a durable, surface mount plastic enclosure measuring 0.25 x 0.31 x 0.16", accommodating tight PCB layouts.

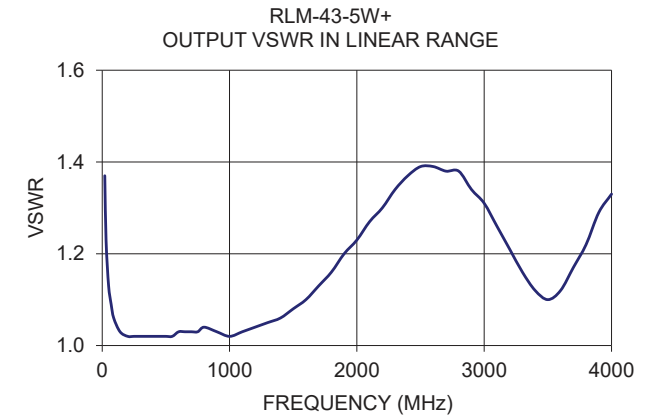
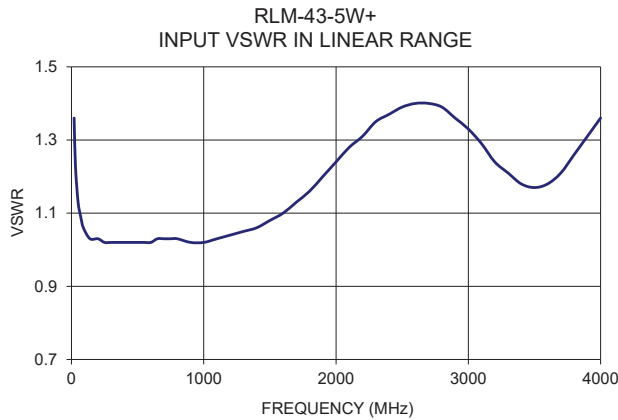
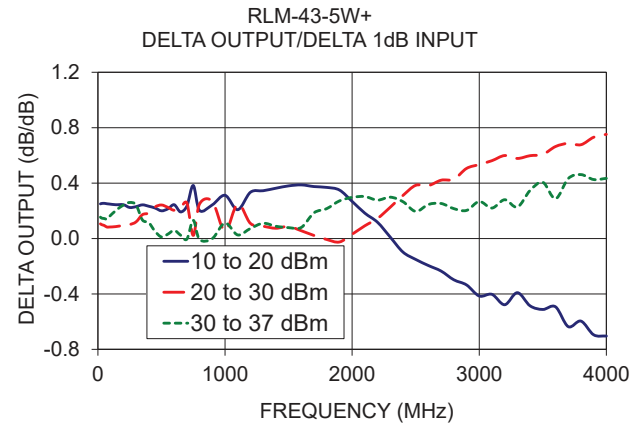
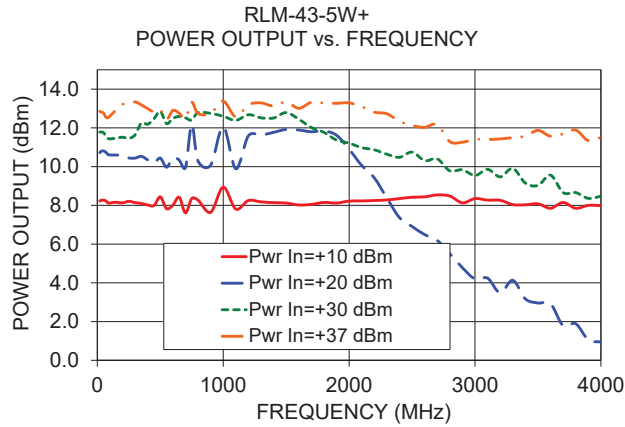
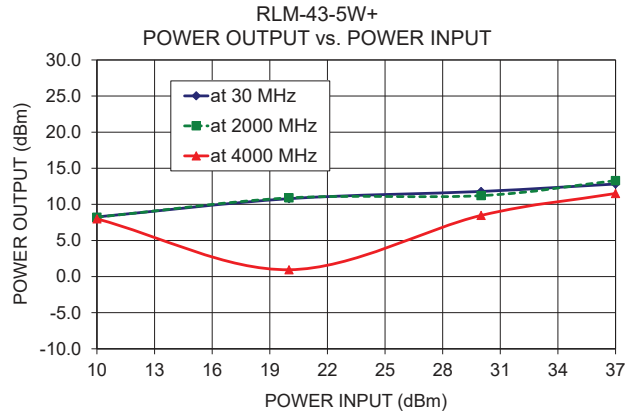
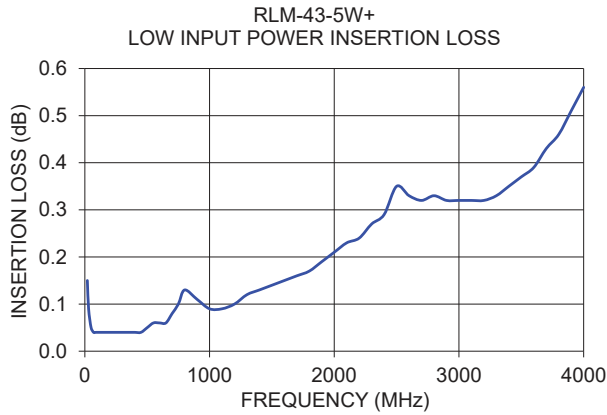
Key Features

Feature	Advantages
Wideband operation, from 20 to 4000 MHz	Ideal for a variety of applications where there is a need to protect sensitive receiver circuitry from unwanted signals as well as control ESD and power surges on the network.
Excellent limiting range from +10 to +37dBm	Prevents undesired signals from passing through the network and damaging sensitive electronic components.
0.3 dB Δ output / 1 dB Δ input	Low delta output per 1 dB delta input maintains signal stability in the presence of volatile input signal conditions.
Rapid recovery, 33ns	Minimal downtime after unwanted signals are removed with very quick restoration of standard operating levels.
Low loss insertion, 0.36 dB	Preserves the strength of low-power signals in the receive path.
low-output power loss, +12 dBm	Low output power prevents saturation of receiver circuitry and provides extra protection for sensitive components.

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp





Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

