

4036B-R

1x15 RF Distribution Amplifier RoHS Compliant



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Summary

The Microchip 4036B-R is a one-input, fifteen-output RF distribution amplifier in a 1U chassis. It provides fifteen isolated copies of a single input. The unit operates over a frequency range of 1 MHz to 20 MHz. Fault sensing of signal level is provided on the input and every output. Faults are indicated on the front panel LEDs, as well as via an Ethernet interface.

Features

- Low phase noise
- High channel isolation
- 15 outputs
- Yields 225 outputs at second level
- LED status indicators for all inputs and outputs
- Status information via Ethernet
- Settable gain
- CE compliant

Specifications

Electrical Specifications

- RF Output (15)
 - Frequency: 1 MHz to 20 MHz
 - Input level: 0 to 1 Vrms (13 dBm)
 - Gain: 0 dB, jumper selectable -1 dB, 1 dB or 2 dB
 - Input/output impedance: 50Ω
 - Isolation: 100 dB (typical)
 - Spurious distortion: <-80 dBc (typical)
 - Harmonic distortion: <-40 dBc
 - Connectors: BNC female

- Additive SSB Phase Noise
 - 1 Hz -135 dBc
 - 10 Hz -145 dBc
 - 100 Hz -155 dBc
 - 1 kHz -163 dBc
 - 10 kHz+ -163 dBc
- Status
 - Senses signal presence on all inputs and outputs
 - Green/Red LEDs on front panel
 - LED Indicators for 1 MHz, 5 MHz and 10 MHz
 - Network interface
 - Ethernet 10/100 Base T
 - RJ 45 connector
 - Protocols: TCP/IP, UDP/IP, ARP, Telnet, DHCP, BOOTP, HTTP and AutoIP

Environmental and Physical Specifications

- Temperature: 0°C to 50°C
- Humidity: 0 to 95% non-condensing
- AC Input: 100-240 VAC, 40-60 Hz 0.5 A
- Dimensions: 1.75" (4.44 cm) H × 19" (48.26 cm) W × 12" (30.48 cm) D
- Weight: 9 lb (4.10 kg)

Standards

Safety

- UL 61010-1 (2016) 3rd Edition
- IEC 61010-1 (2010) 3rd Edition
- EN 61010-1 (2010) 3rd Edition

EMC

- EN 61326 (2013) EMC Requirements for Measurement, Control and Laboratory Equipment, Class A
- EN 61000-3-2 (2014) Harmonic Current Emissions
- EN 61000-3-3 (2013) Voltage Fluctuation and Flicker Emissions

Compliance Marks

- CE
- NRTL
- FCC
- CB Scheme
- KC
- AUS/NZ
- VCCI

Made in USA

Ordering Information

(Contact Microchip for pricing and availability) 4036B-R Standard Configuration TSC 4036B-R



Rear View

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