4036B

1x15 RF Distribution Amplifier

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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
- Setable gain
- CE compliant

The Microsemi 4036B 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.

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Specifications

Electrical Specifications

- RF Output (15)
  - Frequency: 1 MHz – 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: 50 Ω
  - Isolation: >100 dB
  - Spurious distortion: <–80 dBc
  - Harmonic distortion: <–40 dBc
  - Connectors: BNC female
- Additive SSB Phase Noise
  - 1Hz: –135 dBc
  - 10Hz: –145 dBc
  - 100Hz: –155 dBc
  - 1kHz: –163 dBc
  - 10kHz+: –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 ºC to 50 ºC
- Humidity: 0 to 95% non-condensing
- Power requirements (AC Input): 90–264 VAC, 10 W, 47–63 Hz
- Dimensions: 1.75" (4.44 cm) H x 19" (48.26 cm) W x 12" (30.48 cm) D
- Weight: 9 lb (4.10 kg)

Standards

Safety: IEC 61010-1:2010 / EN 61010-1:2010

EMC: EN61326-1 (2006) EMC Requirements for Measurement, Control and Laboratory Equipment, Class A

EN61000-3-2 (2006) +A1+A2 Harmonic Current Emissions

EN61000-3-3 (2008) Voltage Fluctuation and Flicker Emissions

Ordering Information

(Contact Microsemi for pricing and availability)

4036B Standard Configuration TSC 4036B

Rear view