

4059B

1x15 Low Frequency Distribution Amplifier (IRIG A/B or G)



Features

- Exceptional IRIG A/B or G distribution
- High-channel isolation
- 15 outputs
- Yields 225 outputs at 2nd level
- LED status indicators for all inputs and outputs
- Status information via Ethernet

The Microsemi 4059B is a one-input, fifteen-output IRIG distribution amplifier in a 1U, 19 inch rack-mount chassis. It provides fifteen isolated (>70 dB) outputs from a single input. This unit is ideal for distributing IRIG A/B or G. An Ethernet port on the rear panel provides the capability to remotely monitor the status of the input and all output signals. Any failure in the unit will immediately provide an alarm to this port. The front panel provides green LED status for the input and green/red for all output signals, as well as indicating an input of 1 kHz, 10 kHz, or other. A green LED on the front panel also provides power status.

4059B

Specifications

Electrical Specifications

- Time code input and outputs (15)
- Code format: Any
- Modulation frequency: 1 – 100 kHz
- Modulation ratio: Any
- Amplitude: <6 V (peak-peak)
- Output isolation: >70 dB
- Gain: $1 \pm 10\%$
- Input impedance: $50 \Omega \pm 5 \Omega$, or $10 \text{ k}\Omega$ (jumper selectable, 4059B only)
- Output impedance: $50 \Omega \pm 5 \Omega$
- Status
- Senses signal presence on all inputs and outputs
- Green/Red LEDs on front panel
- LED indicators for carrier frequency – 1 kHz, 10 kHz, and Other
- Network (RJ-45 connector)

Environmental and Physical Specifications

- Temperature: 0°C to 50°C
- Humidity: 0 to 95% non-condensing
- Power requirements (AC input): 90–264 VAC, 10 W, 47–63 Hz
- Dimensions: 1U ~1.75" (4.44 cm) x 19" (48.26 cm) x 12" (30.48 cm)
- Weight: 9 lbs (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)
p/n TSC 4059B 1x15 Low Frequency Distribution Amplifier (IRIG A/B or G)



Rear



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