

# 4059B

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



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.

### Specifications

Electrical Specifications	
<b>Time code input and outputs (15)</b>	
Code format	Any
Modulation frequency	1 – 100 kHz
Modulation ratio	Any
Amplitude	<6 V (peak-peak)
Output isolation	>70 dB
Gain	1 ± 10%
Input impedance	50 Ω ± 5 Ω, or 10 kΩ (jumper selectable, 4059B only)
Output impedance	50 Ω ± 5 Ω
<b>Status</b> - 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)	

### KEY 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

### Environmental and Physical Specifications

Temperature	0 °C to 50 °C
Humidity	0 to 95% non-condensing
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 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

p/n TSC 4059B 1x15 Low Frequency Distribution Amplifier (IRIG A/B or G)