10 MHz Sine-wave Distribution Amplifier INSM-2104

For 10 MHz Sine Wave Distribution Applications

The ***LuxLink***® INSM-2104 is a distribution amplifier used to distribute precision 10 MHz sine-wave timing signals. The unit utilizes analog circuitry and an internal low pass filter to transmit 10 MHz analog signals to four separate isolated outputs.

The INSM-2104 has no operating controls and installation only requires the connecting of the appropriate cables. In addition, integral LEDs are provided to continuously indicate the presence of 10 MHz signals as well as the presence of operating power making system troubleshooting simple.

Technical Specifications

System Bandwidth/channel	10 MHz
Input/Output Impedance	50 ohms
Input/Output Level	1 volt rms (3 volts pp) max
Harmonic Levels*	-50dBc typically*
Output Channel Isolation	>40 dB
Propagation Delay	5 nanoseconds
Skew Between outputs	0.5 nsec typically
Signal Connector	BNC
Number of Outputs	4 channels
MTBF (MIL-HDBK-217)	>100,000 Hours
Operating Temperature	-35° to +75°C
Power Requirements	11-24 VAC/DC @350mA Physical
Size (mm)	5.0”(127)x3.0”(76)x1.0”(25.4)

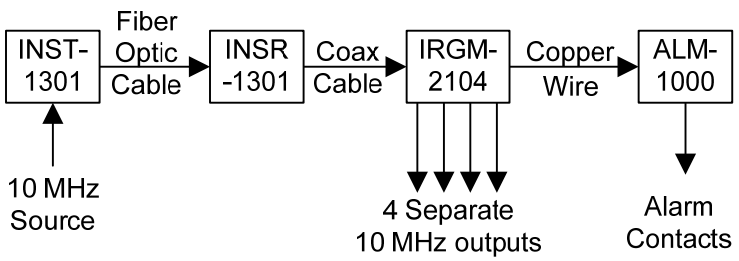
* The INSM-2104 will only degrade the harmonic levels of an input signal by less than 5dB. For example, an input signal with a third harmonic level of -60dBc will result in an output signal with a level of less than -55dBc.

Note that all specifications are subject to change without prior notice.

Important Features

- ***10 MHz Analog Bandwidth***
- ***Signal/Power Indicators***
- ***Standard Single-mode Fiber Compatibility***
- ***Stand-alone, DIN or Rack Mountable (same unit)*****
- ***Integral 10 MHz Low Pass Filter***

Typical Fiber Optic 10 MHz Distribution System



Ordering Information

Distribution Amplifier
INSM-2104

**For stand-alone operation order a PS-1205 power supply for each unit.

**For rack mounted operation all operating power is provided by power supply used with the rack mounting panel.

LuxLink®
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