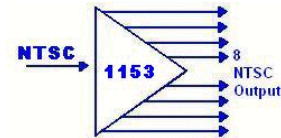
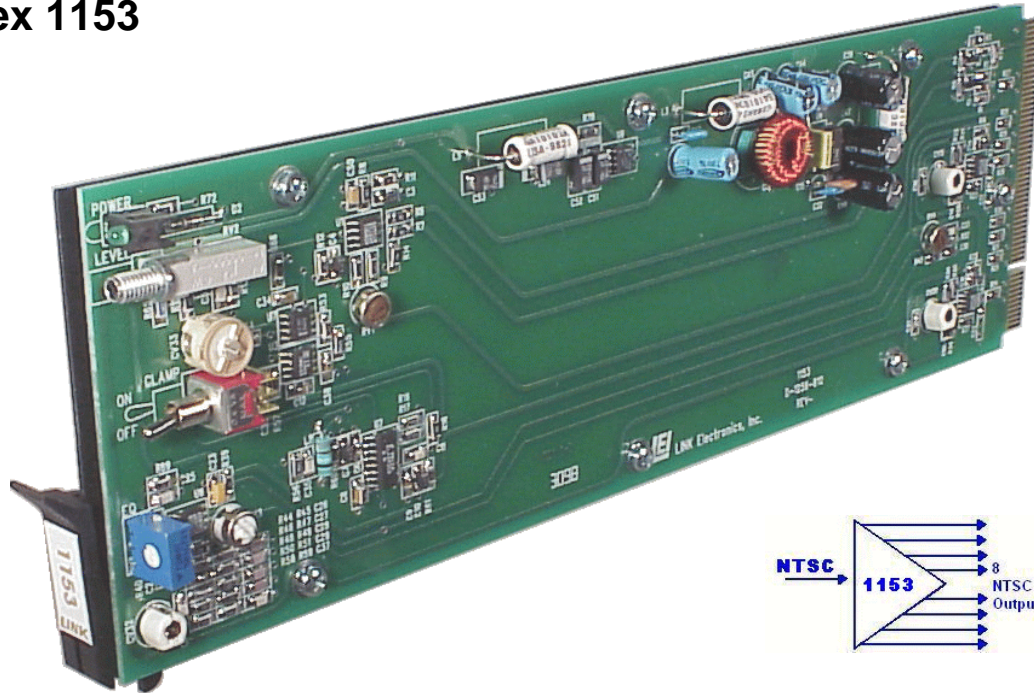




LINK ELECTRONICS, INC.

ANALOG EQ/CLAMP VIDEO DISTRIBUTION AMP 1 X 8 DigiFlex 1153



FEATURES

- ◆ Eight Outputs
- ◆ AC or DC Coupled
- ◆ Op Amp. Technology
- ◆ ± 3 dB Gain, each set of four
- ◆ 100 MHZ Bandwidth
- ◆ Diff. Gain and Phase 0.1

The DigiFlex 1153 Video DA is a state of the art analog video distribution DA with equalization and clamp. The 1153 provides high-performance video distribution in the LINK DigiFlex 1000 Frame. The advantage is obvious: both analog and digital distribution amplifiers can operate side-by-side in a single frame!

Utilizing the latest CMF Op-Amp technology, the 1153 combines wide bandwidth, low noise, and low power consumption. The video path is truly transparent, with differential phase and gain errors of $<0.1^\circ$ and $<0.1\%$, respectively. Video signal-to-noise ratio exceeds 65dB. Eight outputs are provided on it's companion rear cell, 1011.

Mounting Frame Options

- 1000 - Single Power Supply, Holds 11 Modules
- 1000/2 - Dual Power Supply, Holds 10 Modules
- 7200 - Mounting Frame, Holds 1 Module

DC-coupled differential input is a standard feature, providing high common-mode rejection. Eight outputs are available on the rear panel. Cable equalization is adjustable from the front card edge and can compensate for loss in coax cable up to 1000 feet of Belden 8281. The feedback clamp on/off is front panel controlled. Clamp is referenced to back porch.

The attention to detail in the design of the 1153 extends to the power supply, which features a simple switching regulator. While slightly more complex than a linear supply, this offers the highest possible efficiency. Backed by a ten-year warranty including parts and labor.

LINK ELECTRONICS, INC. ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668
Phone 573 334 4433 ◆ FAX 573 334 9255

DIGIFLEX 1153 VIDEO DA

SPECIFICATIONS

INPUT:

Video Level: 1.0Vp-p±3dB
Impedance: 75 ohms terminating
Common Mode Range: 5Vp-p
Maximum DC In: ±5 VDC
CMRR: 70dB

OUTPUTS:

Number: Eight (8), BNC
Level: Unity Gain ±3dB

AMPLIFIER PERFORMANCE:

Frequency Response: ±0.5dB to 55 MHz
..... ±1dB to 60MHz
..... ±3.0dB to 100 MHz
Differential Gain: <0.1%, 10% to 90% APL
Differential Phase: <0.1°, 10% to 90% APL
Clamping action: 40dB for 10% to 90% APL
..... 38dB for 60Hz AC hum
DC Gain Stability: ±0.1dB
Noise: >70dB, below 1.0V p-p
Hum: >70dB, below 1.0V p-p
Output Isolation: > 40dB at 3.58 MHz
Return Loss: 40dB to 6 MHz
Tilt: <0.4%
Ringing: <0.4%
High Freq. Overshoot: <0.4%
Coupling: DC Servo, Average DC output =0
Harmonic Distortion: SC @ 3.58Hz, 2Vp-p
..... Less than 0.4% (48dB)

FRONT PANEL CONTROLS:

Gain Control: ±3dB continuous from unity
Clamp ON/OFF: Switch Selectable
Cable Equalizer: Equalizes up to 1000 Ft

ENVIRONMENTAL:

Temperature: 0° to 50° C, ambient
Humidity: 10% to 90% non-condensing

POWER:

DC Voltages:
+5 VDC: 50mA
-5 VDC: 50mA

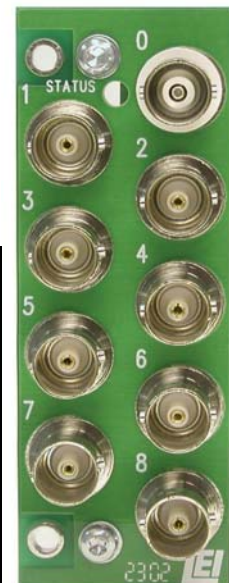
MECHANICAL:

Height: 3.5 inches
Width : 1 Inch
Depth: 10 Inches
Weight: 7.1 Ounces

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Cape Girardeau, MO 63703
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FAX: 573 334 9255

Rear Cell I/O
0. Input
1. Output
2. Output
3. Output
4. Output
5. Output
6. Output
7. Output
8. Output



1011 REARCELL

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modular system products--by **LINK**

1153/110402

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