7700ADA7
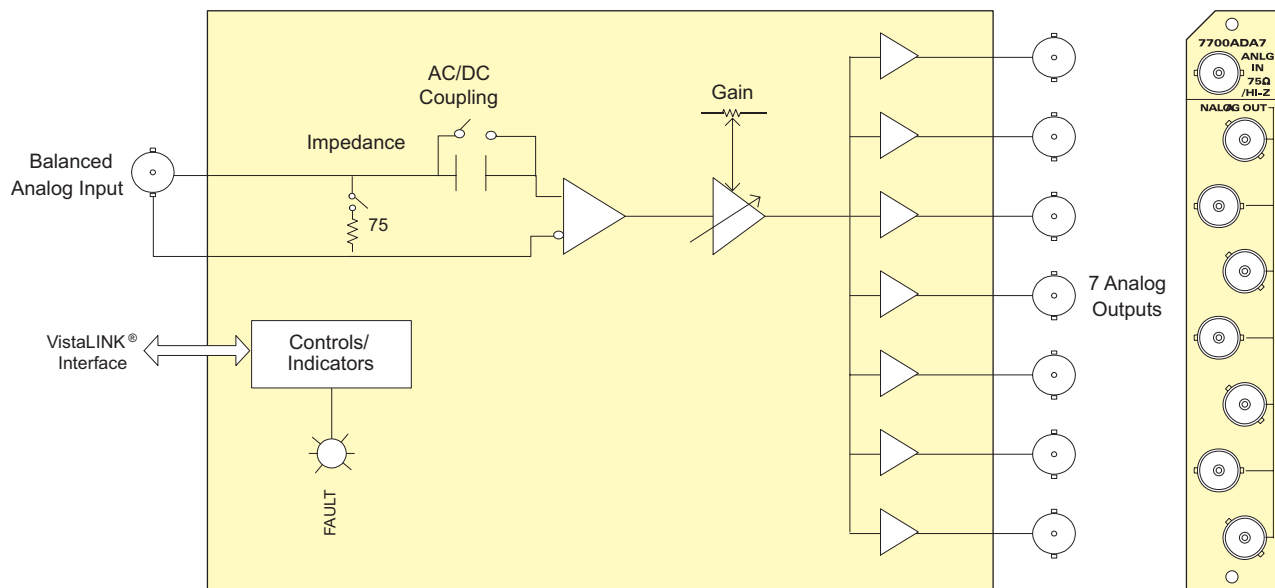## Analog Video Equalizing Distribution Amplifier

The 7700ADA7 Analog Distribution Amplifier is a general purpose amplifier for distributing analog video signals. The 7700ADA7 features one balanced input with seven outputs. The 7700ADA7 amplifier has been designed to distribute a wide range of analog video signals. It can also distribute other pulses and signals that are less than 2V p-p.

The 7700ADA7 occupies one card slot in the 3RU frame, which will hold up to 15 modules or the 1RU frame, which will hold up to three modules.

Features & Benefits

- 75Ω or high impedance input (jumper selectable)
- High common mode range and common mode rejection ratio (CMMR)
- Gain control
- Jumper selectable AC or DC coupling
- Looping feature with external "T" connector

- Consistent input impedance if card power is lost
- VistaLINK® - capable offering remote control and configuration capabilities via SNMP (using VistaLINK® PRO, 9000NCP or 9000NCP2 Network Control Panel) is available when modules are used with the 3RU 7700FR-C frame and a 7700FC VistaLINK® Frame Controller

Specifications

Analog Video Input:

Standards:	Any analog video format, up to 2V p-p and 30MHz bandwidth
Connector:	BNC per IEC 60169-8 Amendment 2
Common mode range:	> 6V p-p
CMRR:	> 70dB to 1kHz
Signal amplitude:	2.5V p-p max
Impedance:	75Ω terminated, 35kΩ Hi-Z (jumper selectable)
Coupling:	AC or DC (jumper selectable)
Return loss:	> 40dB to 10MHz, > 30dB to 30MHz

Analog Video Outputs:

Number of Outputs:	7 per card
Connector:	BNC per IEC 60169-8 Amendment 2
Output impedance:	75Ω
Gain control range:	±5dB
DC level (DC Coupling active):	< ±100mV
Freq. Response:	< ±0.05dB (to 5.5MHz)
Differential Gain:	< 0.17%
Differential Phase:	< 0.19°
C/L gain inequality:	< ±0.1%
C/L Delay:	< ±2nsec
Output isolation:	42dB to 10MHz, 32dB to 30MHz
Output return loss:	> 40dB to 30MHz
Noise performance:	< -78dB RMS NTC7 weighting, < -70dB RMS 15kHz to 5.5MHz

Electrical:

Voltage:	+12V DC
Power:	4.6W
EMI/RFI:	Complies with FCC Part 15, Class A, EU EMC Directive

Physical:

Number of Slots:	1

Ordering Information

7700ADA7	Analog Video Distribution Amplifier (1x7)

Ordering Options	Rear Plate must be specified at time of order
	Eg: Model +3RU

Rear Plate Suffix

+3RU	3RU Rear Plate for use with 7700FR-C Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Enclosures

7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone enclosure