7700ADA6-EQ-L

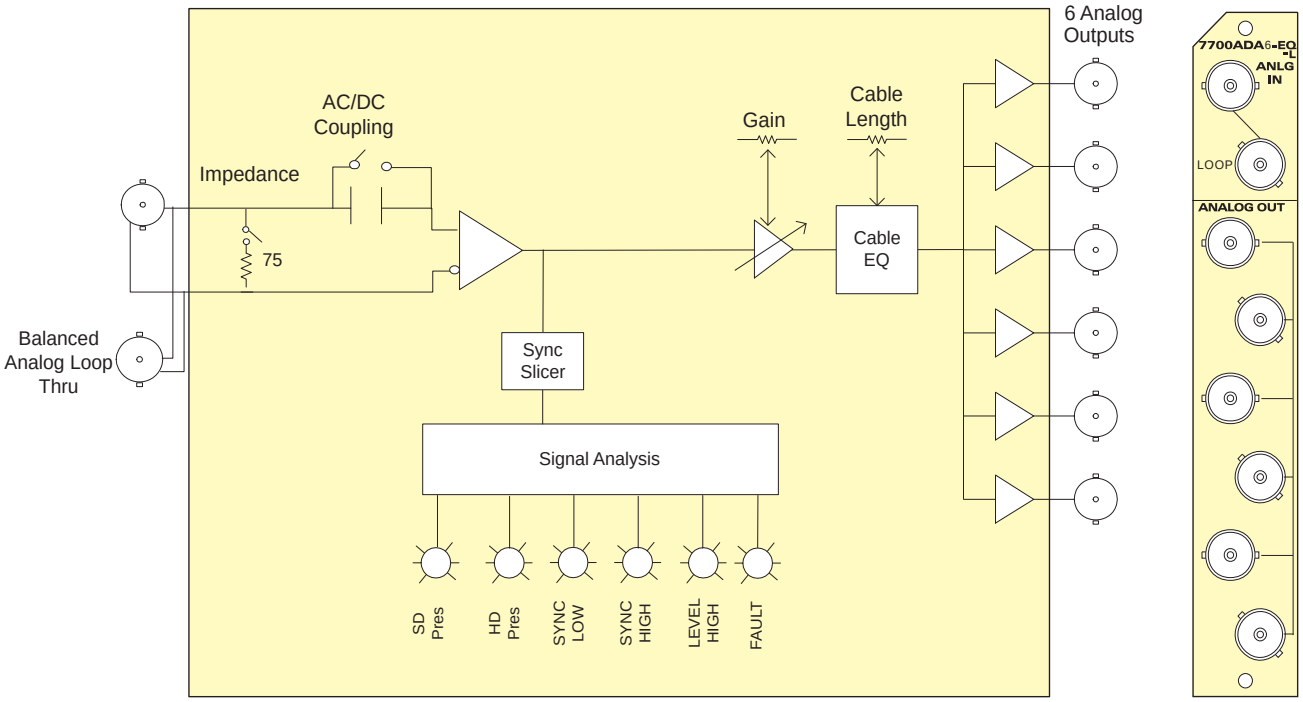
Equalizing Analog Video Distribution Amplifier with Loop Thru

The 7700ADA6-EQ-L is an equalizing 1x6 Analog Distribution Amplifier. The 7700ADA6-EQ-L features one balanced equalized input, one passive looping output and six outputs. The module 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 7700ADA6-EQ-L occupies one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame which will hold up to 7 modules or a standalone enclosure that will hold 1 module.

Features & Benefits

- Passive loop thru
- Gain control
- High common mode range and common mode rejection ratio (CMRR)
- Jumper selectable AC or DC coupling
- Cable equalizer adjustment range: 0 to 300m of 8281 or 1694A
- Consistent input impedance if card power is lost
- Module Status/Local Fault



Specifications

Analog Video Input:

Standards:	Any analog video format, up to 2V p-p and 30MHz bandwidth
Connector:	BNC per IEC 61169-8 Annex A
Common mode range:	> 6V p-p
CMRR:	> 70dB to 1kHz
Signal amplitude:	2.5V p-p max
Cable equalizer:	0 to 300m of Belden 8281 or 1694A cable
Coupling:	AC or DC (jumper selectable)
Return loss:	> 40dB to 10MHz, > 30dB to 30MHz

Analog Video Outputs:

Passive Loop:	1
Number of Outputs:	6
Connector:	BNC per IEC 61169-8 Annex A
Output impedance:	75Ω
Gain control range:	±5dB
DC level:	< ±100mV (with DC Coupling active)
Freq. Response:	< ±0.05dB no equalization (to .5MHz)
Differential Gain:	< 0.17% 0 to 300m
Differential Phase:	< 0.19° 0 to 300m
C/L gain inequality:	< ±0.1% for all cable lengths
C/L Delay:	< ±2ns
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:	1.2W
EMI/RFI:	Complies with FCC Part 15, Class A EU EMC Directive

Physical (number of slots):

350FR:	1
7700FR-C:	1
7800FR:	1

Ordering Information

7700ADA6-EQ-L	Analog Video Distribution Amplifier with Cable Equalization and Loop Thru

Ordering Options	Rear Plate must be specified at time of order Eg: Model +3RU
Rear Plate Suffix	
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Enclosures

350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7800FR	3RU Multiframe which holds up to 15 single slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
7801FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure

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