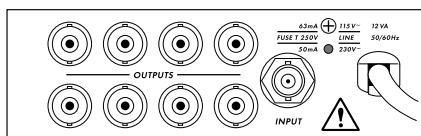
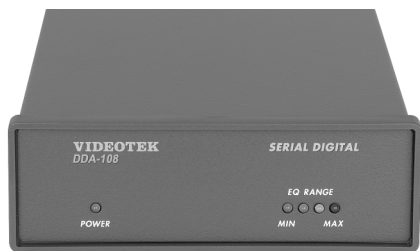


DDA-108 DIGITAL DISTRIBUTION AMPLIFIER



FEATURES

- Single terminated input
- Eight outputs
- Dynamic equalization display
- High quality output signal
- Multi-standard

SPECIFICATIONS:

VIDEO

FORMAT COMPATIBILITY:

SMPT 259M, ITU-R BT.601/656 Serial Component (270 Mb/s), NTSC 143 Mb/s Serial Composite and PAL 177 Mb/s Serial Composite, DTV 360 Mb/s

INPUT:

BNC 75Ω, internally terminated

INPUT RETURN LOSS:

≤-18 dB from 5 MHz to 360 MHz

INPUT LEVEL:

800 mV p-p ±10%

INPUT CABLE EQUALIZATION:

Automatic equalization for up to 300m of 8281 @ 270 Mb/s

OUTPUT CONNECTORS:

8 BNC

OUTPUT IMPEDANCE:

75Ω source terminated

OUTPUT LEVEL:

800 mV p-p ±10% with 75Ω resistive load

DC OFFSET:

0V ±0.5V (per SMPT 259M)

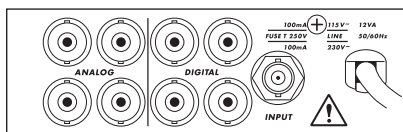
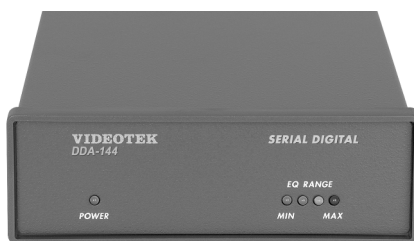
RISE AND FALL TIME:

500 to 1500 ps nominal measured at 20% to 80% points

THROUGHPUT DELAY:

1.5 ns typical

DDA-144 SERIAL DIGITAL DISTRIBUTION AMPLIFIER WITH ANALOG COMPOSITE MONITOR OUTPUTS



FEATURES

- Single terminated input
- Four component serial digital video outputs
- Serial reclocked digital processing
- Four composite analog video monitoring outputs (NTSC or PAL)
- Front panel LED equalization indicators

SPECIFICATIONS:

VIDEO

FORMAT COMPATIBILITY:

SMPT 259M, ITU-R BT.601/656 Serial Component (270 Mb/s, 525/625 line)

INPUT: BNC 75Ω, internally terminated

INPUT RETURN LOSS: ≤-18dB to 270 MHz

INPUT LEVEL: 800 mV p-p ±10%

INPUT CABLE EQUALIZATION:

Automatic equalization up to 200m of 8281

OUTPUT CONNECTORS: 8 BNC

OUTPUT FORMAT COMPATIBILITY:

4 component serial digital (270 Mb/s, 525/625 line)

4 composite analog (NTSC/PAL, input dependent)

OUTPUT IMPEDANCE:

75Ω, source terminated

ANALOG OUTPUTS

DIFFERENTIAL GAIN: ≤1.5%

DIFFERENTIAL PHASE: ≤1.5°

FREQUENCY RESPONSE: ±0.25 dB to 4.5 MHz

OUTPUT LEVEL: 1V p-p ±1%, internally adjustable

SC/H PHASE: 0° ±10°

RETURN LOSS: ≤-40 dB

CHROMA-LUMA DELAY: <10 ns

DC OFFSET: 0V ±100 mV

DIGITAL OUTPUTS

DC OFFSET: 0V ±0.5V

RISE AND FALL TIME:

400 to 1500 ps nominal measured at 20% to 80% points

THROUGHPUT DELAY:

15 ns nominal

OUTPUT LEVEL:

800 mV p-p ±10%

RETURN LOSS: ≤-15 dB