

Specifications — P/2 DA2 MT Distribution Amplifier

Video

Gain	(0.7V) unity, (0.8V) 15%
Bandwidth	300 MHz (-3dB)

Video input

Number/signal type	1 VGA-UXGA RGBHV, RGBS, RGsB, RsGsBs
Connectors	1 15-pin HD female
Minimum/maximum level(s)	Analog 0.4V to 1.4V p-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	30 Hz to 170 Hz
Return loss	-38.3dB @ 5 MHz
Maximum DC offset	200mV

Video output

Number/signal type	2 VGA-UXGA RGBHV, RGBS, RGsB, RsGsBs (1 for display, 1 for local monitor output)
Connectors	2 15-pin HD female
Minimum/maximum levels	0.4V to 1.4V p-p
Impedance	75 ohms
Return loss	-41dB @ 5 MHz
DC offset	±5 mV maximum with input at 0 offset

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB, RsGsBs
Input level	3V to 5V p-p
Output level.....	TTL 5V p-p
Input impedance	75 ohms or 510 ohms (selectable)
Output impedance	75 ohms
Max. propagation delay	18.8 nS
Max. rise/fall time	4 nS
Polarity	Positive or negative

Audio

Gain	Unbalanced 0dB, balanced +6dB
Frequency response.....	20 Hz to 20 kHz, ±0.05dB
THD + Noise	0.03% @ 1 kHz at rated maximum output drive
S/N	>90dB, balanced, at rated maximum output drive (21dB)
Stereo channel separation	>80dB @ 1 kHz
CMRR	>75dB @ 20 Hz to 20 kHz

Audio input

Number/signal type	1 stereo, unbalanced
Connectors	1 3.5 mm female stereo jack, 2-channel; tip (L), ring (R), sleeve (GND)
Impedance	>5 kohms unbalanced, DC coupled
Maximum level	+8.5dBu (unbalanced) at stated % THD+N

Audio output

Number/signal type	1 stereo, balanced/unbalanced
Connectors	1 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Maximum level (Hi-Z)	>+14dBu, balanced or unbalanced at stated %THD+N
Maximum level (600 ohm)	>+0dBu, balanced or unbalanced at stated %THD+N

NOTE 0dBu = 0.775 volts (RMS).

General

Power	100VAC to 240VAC , 50/60 Hz, 5 watts, external, autoswitchable; to 9VDC, 1A power supply.
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	No
Enclosure type	Metal
Enclosure dimensions	1.0" H x 5.7" W x 4.5" D 2.5 cm H x 14.5 cm W x 11.4 cm D
Product weight	0.6 lbs (0.3 kg)
Shipping weight	3 lbs (1.4 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE
Warranty	3 years parts and labor

NOTE Specifications are subject to change without notice.

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