

Specifications

P/2 DA2xi, P/2 DA2xi MT

Video

Gain	
P/2 DA2xi.....	Output: 0 dB or 0.4 dB, selectable Local monitor output: unity
P/2 DA2xi MT.....	Output: 0 dB or 0.6 dB, selectable Local monitor output: unity
Peaking	
P/2 DA2xi.....	Output: selectable, 0.7 dB or 1.4 dB at 100 MHz Local monitor output: fixed
P/2 DA2xi MT.....	Output: selectable, 0 dB or 0.6 dB at 100 MHz Local monitor output: fixed
Bandwidth.....	350 MHz (-3 dB)

Video input

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video (with adapter), S-video, composite video
Connectors.....	1 female 15-pin HD
Pin connections.....	ID bits on pins 4, 11, 12, and 15 are passed through to local monitor output (loop-through). Pin 9 is floating.
Nominal level.....	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels.....	Analog, 0.3 V to 1.5 Vp-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 dB @ 5 MHz
DC offset (max. allowable).....	1.0 V
Input coupling.....	DC

Video output

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video (with adapter), S-video, composite video (follows input type) 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs local monitor loop-through (ID bits are passed through.)
Connectors.....	2 female 15-pin HD
Nominal level.....	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video at unity gain
Minimum/maximum levels.....	Analog, 0.3 V to 1.5 Vp-p (follows input)
Impedance.....	75 ohms
Return loss.....	<-40 dB @ 5 MHz
DC offset.....	±5 mV with input at 0 offset

Sync

Input type.....	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type.....	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type.....	RGBHV, RGBS, RGsB, RsGsBs

Input level	1.5 V to 5.0 Vp-p
Output level	TTL, 5 Vp-p, unterminated
Input impedance	
P/2 DA2xi	<1k ohm (default) or 10k ohms, selectable
P/2 DA2xi MT	510 ohms (fixed)
Output impedance	75 ohms (default) or 50 ohms, selectable
Max. propagation delay.....	60 ns
Max. rise/fall time	4 ns
Polarity.....	Positive or negative (follows input)

Audio – P/2 DA2xi MT only

Gain.....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, +0.05 dB, -0.1 dB
THD + Noise	0.03% @ 1 kHz at nominal level
S/N.....	>90 dB (balanced) at maximum output
Crosstalk	<-80 dB @ 1 kHz, fully loaded
Stereo channel separation.....	>80 dB @ 1 kHz, >60 dB @ 20 kHz
CMRR.....	>67 dB @ 20 Hz to 20 kHz

Audio input – P/2 DA2xi MT only

Number/signal type.....	1 stereo, unbalanced
Connector.....	(1) 3.5 mm stereo jack, female; tip (L), ring (R), sleeve (GND)
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	±0.1 dB channel to channel
Nominal level.....	-2 dBu (632 mV) balanced output -10 dBV (316 mV) unbalanced output
Maximum level	>+10 dBV (3.16 V) (unbalanced) at 1%THD+N
NOTE:	0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

Audio output – P/2 DA2xi MT only

Number/signal type.....	1 stereo, balanced/unbalanced
Connectors.....	(1) 3.5 mm captive screw connector, 5 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	±0.1 dB channel to channel
Nominal level.....	-2 dBu (632 mV) balanced output -10 dBV (316 mV) unbalanced output
Maximum level (Hi-Z).....	>+15 dBu (4.36 V), balanced at 1% THD+N, with external power supply
Maximum level (600 ohm)	>+9 dBm (2.18 V), balanced at 1% THD+N, with external power supply

General

External power supply.....	100 VAC to 240 VAC, 50-60 Hz, 4.5 watts, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.2 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount	
P/2 DA2xi	Yes, with optional under-desk mounting kit
P/2 DA2xi MT	Yes, with included under-desk mount kit or optional through-desk mount kit
Pole mount.....	Yes, with optional pole mount kit
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" W x 3.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)

Product weight	0.5 lbs (0.3 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, KCC, VCCI
Warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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