

Specifications — AVDA 6 MX and AVDA 6 MX Dual

Video

Bandwidth 30 MHz ($\pm 0.5\text{dB}$)

Video input

Number/signal type AVDA 6 MX1 composite video
AVDA 6 MX Dual 2 composite video

Connectors 1 or 2 BNC female, depending on the model

Nominal level 1V p-p for composite video

Minimum/maximum levels Analog: 0.4V to 1.4V p-p with no offset at unity gain

Impedance 75 ohms

Video output

Number/signal type AVDA 6 MX1 x 6 composite video
AVDA 6 MX Dual 2 x 6 composite video

Connectors AVDA 6 MX1 x 6 BNC female
AVDA 6 MX Dual 2 x 6 BNC female

Nominal level 1V p-p for composite video

Minimum/maximum levels 0.4V to 1.4V p-p

Impedance 75 ohms

Sync

Standards NTSC 3.58, NTSC 4.43, PAL, SECAM

Audio

Gain Unbalanced output: 0dB; balanced output: +6dB

Frequency response 20 Hz to 20 kHz, $\pm 0.05\text{dB}$

THD + Noise 0.03% @ 1 kHz at nominal level

S/N >90dB, balanced, at maximum output

Stereo channel separation >80dB @ 1 kHz, >60dB @ 20 kHz

CMRR >75dB @ 20 Hz to 20 kHz

Audio input

Number/signal type AVDA 6 MX1 stereo, balanced (Hi Z or 600 ohms)/unbalanced (Hi Z)
AVDA 6 MX Dual 2 stereo, balanced (Hi Z or 600 ohms)/unbalanced (Hi Z)

Connectors AVDA 6 MX (1) 3.5 mm captive screw connector, 5 pole
AVDA 6 MX Dual (2) 3.5 mm captive screw connectors, 5 pole

Impedance >10 kohms balanced/unbalanced, DC coupled

Nominal level -10dBV (316mV)

Maximum level +17dBu, (balanced or unbalanced) @ 1%THD+N

Audio output

Number/signal type AVDA 6 MX 1 x 6 stereo, balanced/unbalanced
AVDA 6 MX Dual 2 x 6 stereo, balanced/unbalanced

Connectors AVDA 6 MX (1 x 6) 3.5 mm captive screw connectors, 5 pole
AVDA 6 MX Dual (2 x 6) 3.5 mm captive screw connectors, 5 pole

Impedance 50 ohms unbalanced, 100 ohms balanced

Gain error $\pm 0.1\text{dB}$ channel to channel

Maximum level (Hi-Z) > +23dBu, balanced at 1%THD+N

Maximum level (600 ohm) > +15dBm, balanced at 1%THD+N

NOTE 0dBu = 0.775 volts (RMS).

General

Power	100VAC to 240VAC, 50/60 Hz, internal, autoswitchable AVDA 6 MX13 watts AVDA 6 MX Dual 20 watts
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	Yes, with optional 1U rack shelf, part #60-190-01
Enclosure type	Metal
Enclosure dimensions	
AVDA 6 MX	1.75" H x 8.7" W x 9.4" D (1U high, half rack width) 4.4 cm H x 22.1 cm W x 23.9 cm D
AVDA 6 MX Dual	1.75" H x 17.5" W x 9.4" D (1U high, full rack width) 4.4 cm H x 44.5 W x 23.9 cm D
Product weight	
AVDA 6 MX	2.7 lbs (1.2 kg)
AVDA 6 MX Dual	4.8 lbs (2.2 kg)
Shipping weight	
AVDA 6 MX	5 lbs (2.3 kg)
AVDA 6 MX Dual	7 lbs (3.2 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
Warranty	3 years parts and labor

NOTE *Specifications are subject to change without notice.*

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