

Specifications — PA 250 Peaking Amplifier/Sync Stripper

Video

Gain	1.4 V maximum
Bandwidth	250 MHz (-3 dB)

Video input

Number/signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs
Connectors	5 BNC female
Nominal level	0.7 Vp-p for RGB
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 150 kHz
Vertical frequency	40 Hz to 140 Hz
Return loss	<-37 dB @ 5 MHz

Video output

Number/signal type	1 analog RGBHV, RGBS, RGsB
Connectors	5 BNC female
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p
Impedance	75 ohms
Return loss	-20 dB @ 5 MHz
DC offset	±10 mV with input at 0 offset

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB
Input level	
RGBHV, RGBS	TTL: 5 Vp-p
RGsB, RsGsBs	analog: 0.3 Vp-p
Output level.....	TTL: 4 V to 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms
Max. input voltage	5 Vp-p
Input sensitivity	0.6 V to 5 Vp-p
Max. propagation delay	130 ns
Max. rise/fall time	4 ns
Polarity	RGBHV, RGBS: positive or negative (follows input) RGsB, RsGsBs: negative

General

Power	100 VAC to 240 VAC, 50/60 Hz, 10 watts, internal, autoswitchable
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
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.75" W x 9.4" D (1U high, half rack wide) 4.3 cm H x 22.2 cm W x 23.9 cm D (Depth excludes connectors.)
Product weight	3.0 lbs (1.4 kg)
Shipping weight	5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE

Warranty 3 years parts and labor

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

NOTE *Specifications are subject to change without notice.*

(7.51-081904-D2-111612)