

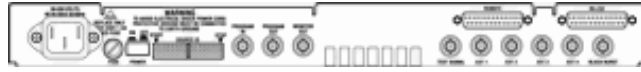


VITS200 Generator and Inserter.

## Analog Generator

### VITS200

#### Characteristics



VITS200 Rear Panel.

#### Product Information

#### Program Channel

**Gain** - Unity  $\pm 1\%$ .

**Frequency Response** -  $\pm 1\%$  to 5.5 MHz.

**Chrominance-to-luminance Gain** -  $\pm 0.5\%$ .

**Chrominance-to-luminance Delay** -  $\leq 5$  ns.

**Differential Phase** -  $\leq 0.2^\circ$ .

**Differential Gain** -  $\leq 0.2\%$ .

**Tilt** -  $< 0.5\%$ .

**DC Matching of Inserted Signal to Program Video** -  $\pm 3$  mV.

**Phase Matching of Inserted Signal to Program Video** -  
Within  $1^\circ$  at subcarrier.

**Phase Matching of Relay Bypass Path to Signal Processing Path** - Within  $1^\circ$  at subcarrier.

**S/N Ratio** -  $< 70$  dB unweighted; 5 MHz low pass filtered.

**Crosstalk** -  $\geq 60$  dB down to 5.5 MHz.

**Insertion Transients** -  $\leq 10$  mV.

**DC Output Level** - 0 V DC  $\pm 10$  mV.

**Input Impedance** -  $75 \Omega$ .

**Return Loss** - 36 dB to 5 MHz.

#### External Inputs

**Gain** - Unity  $\pm 1\%$ .

**Frequency Response** -  $\pm 1\%$  to 5.5 MHz.

**Chrominance-to-luminance Gain** -  $\pm 0.5\%$ .

**Chrominance-to-luminance Delay** -  $\leq 5$  ns.

**Differential Phase** -  $\leq 0.3^\circ$ .

**Differential Gain** -  $\leq 0.3\%$ .

**Tilt** -  $< 0.5\%$ .

**DC Output Level** - 0 V DC  $\pm 10$  mV.

**Program Video to External Signal DC Match** -  $\leq 3$  mV; AC coupled and clamped.

**S/N Ratio** -  $< 70$  dB unweighted; 5 MHz low pass filtered.

**Crosstalk** -  $\geq 60$  dB down.

**Switching Transients** -  $\leq 5$  mV.

**Input Impedance** -  $75\ \Omega$ .

**Return Loss** - 36 dB to 5 MHz.

#### **Test Signal Generator**

**Luminance Amplitude Accuracy** -  $\pm 1\%$ .

**Frequency Response** -  $\pm 1\%$  to 5 MHz.

**Chrominance-to-luminance Gain** -  $\pm 0.5\%$ .

**Chrominance-to-luminance Delay** -  $\leq 5$  ns.

**Differential Gain** -  $\leq 0.3\%$ .

**Differential Phase** -  $\leq 0.3^\circ$ .

**Tilt** -  $\leq 0.5\%$ .

**Output Impedance** -  $75\ \Omega$ .

**Return Loss** - 36 dB to 5 MHz.

#### **Environmental**

**Temperature** - Operating:  $0^\circ\text{C}$  to  $+50^\circ\text{C}$ .

Nonoperating:  $40^\circ\text{C}$  to  $+65^\circ\text{C}$ .

#### **Certifications**

**EMC** - Certified to the EMC Directive 89/336/EEC.

**Safety** - Approved to: UL1244, CSA231.

Complies with: EN61010-1, IEC61010-1.

**Physical Characteristics**

| Dimensions | mm  | in.   |
|------------|-----|-------|
| Height     | 43  | 1.7   |
| Width      | 483 | 19    |
| Depth      | 440 | 17.3  |
| Weight     | kg  | lbs.  |
| Net        | 4.7 | 10.25 |

**Power Consumption** - 50 W maximum.

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Product(s) are manufactured in ISO registered facilities.

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