

## Technical Specifications

<b>Environment</b>	S-Video equipment
<b>Devices</b>	DVD, VCR, monitors, LCD projectors, CCD cameras, video switchers, sequencers, multiplexers, and other S-Video equipment
<b>Bandwidth</b>	Video: DC to 6 MHz. Audio: 600 ohms: 73 Hz to 156 KHz; @ 1,000 ft. 1.2 Kohms: 128 Hz to 91 KHz; @ 1,000 ft.
<b>Impedance – S-Video</b>	75 ohms
<b>Impedance – Audio</b>	600 ohms min
<b>Max. Input - Audio or Video</b>	1.1Vp-p
<b>Insertion Loss</b>	Video: Less than 2 dB per pair over the frequency range Audio: 600 ohms: less than 3 dB per pair; 1.2 Kohms: less than 1.9 dB per pair
<b>Return Loss</b>	Better than 15 dB over the frequency range
<b>Common Mode Rejection</b>	Greater than 40 dB over the frequency range
<b>Max. Distance</b>	Cat 5 twisted pair cable – 1000 ft. (305 m)
<b>Cable – UTP</b>	24AWG or lower solid copper twisted pair wire Impedance: 100 ohms at 1 MHz Maximum capacitance: 20 pF/ft Attenuation: 6.6 dB/1000 ft at 1 MHz
<b>Connectors</b>	One (1) 4-pin Mini DIN, two (2) RCA audio jacks, and one (1) RJ45 Up to 12 feet of audio cable (not included) may be used
<b>Pin Configuration</b> <i>Reverse Polarity Sensitive</i>	S-Video Luma: pins 7&8 S-Video Chroma: pins 4&5 Audio 1: pins 1&2 Audio 2: pins 3&6
<b>Temperature</b>	Operating: 0° to 55°C. Storage: -20° to 85°C. Humidity: up to 95%
<b>Enclosure</b>	Fire retardant plastic
<b>Dimensions</b>	2.40" x 2.25" x 1.00" plus 5" S-Video lead
<b>Warranty</b>	2 years
<b>Order Information</b>	SVA2, SVA2-Pac

The SVA2 Balun allows the transmission of a single S-Video signal and two analog audio signals via unshielded twisted pair (UTP) cable in a point-to-point connection for versatile cabling.

Used in pairs, SVA2 Baluns eliminate costly and bulky S-Video cable, allowing the connection of S-Video equipment to any convenient modular outlet.



## Applications

The SVA2 Balun allows pre-existing twisted pair cable to be used in such applications as classroom video distribution, overhead projector systems, PC-training systems, and tradeshow PC-demo systems in the S-Video environment.



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## Satellite S-Video and Audio Using SVA2

