

# S-VIDEO HUM ELIMINATOR & GROUND LOOP ISOLATION TRANSFORMER

## SVIT-75-H

### S-VIDEO ISOLATION TRANSFORMER

- "TRUE" ISOLATION TRANSFORMER
- BREAKS GROUND LOOP. NO DC CONNECTION
- VIDEO ISOLATION 100 MEGOHMS, MINIMUM
- VIDEO BANDWIDTH TO OVER 8MHz



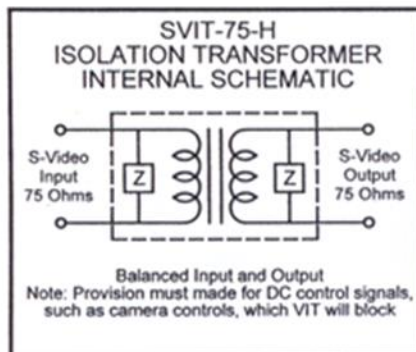
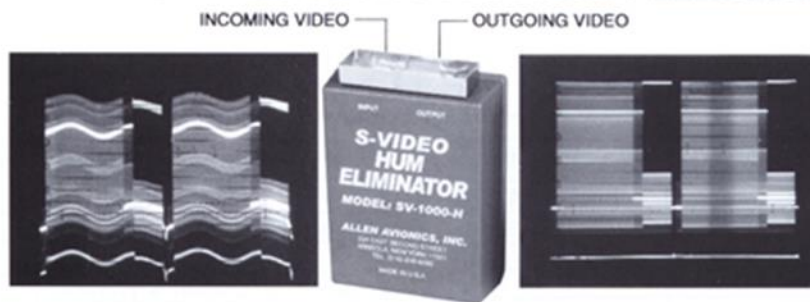
## SV-1000-H

### S-VIDEO HUM ELIMINATOR

- ELIMINATES ALL 50 Hz & 60 Hz HUM AND INTERFERENCE
- DC CONNECTION PRESERVED
- HUM ATTENUATION UP TO 60dB DEPENDING ON SYSTEM
- FLAT RESPONSE OVER S-VIDEO BANDWIDTH

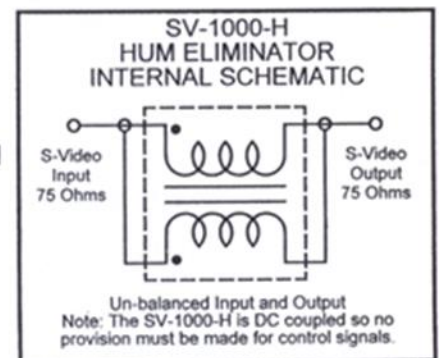


**STOP "HUM BARS" AND AUDIO HUM OR BUZZ IN MULTI-MEDIA SYSTEMS WITH THESE NEW S-VIDEO PRODUCTS FROM ALLEN AVIONICS, INC.**



### BOTH MODELS FEATURE

- S-VIDEO CONNECTORS
- LOW LOSS (.25dB, TYPICAL)
  - 20dB RETURN LOSS
- NO PHASE OR GAIN DISTORTION
- RUGGED, WATERPROOF CASE
- PASSIVE DEVICE-FAILURE FREE
  - REVERSIBLE
- COMPACT PLASTIC CASE
- 4 MOUNTING INSERTS FOR PANEL OR RACK MOUNTING



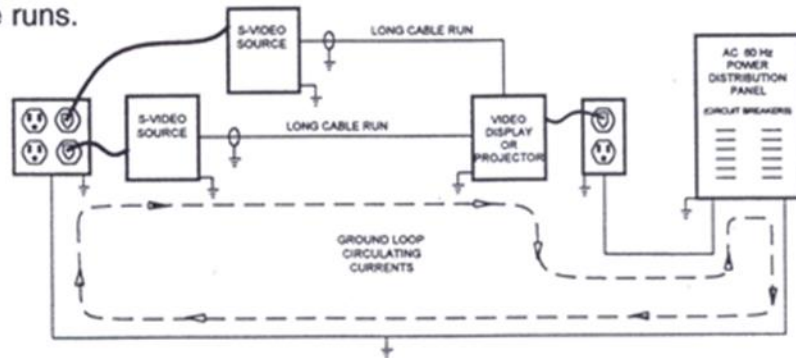
# S-VIDEO HUM ELIMINATOR & GROUND LOOP ISOLATION TRANSFORMER

FOR USE WITH: S-VIDEO, SVHS, Y/C VIDEO

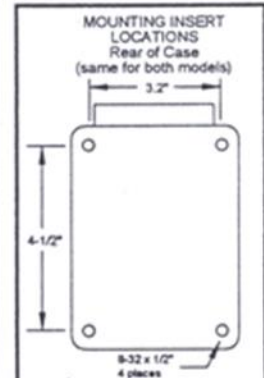
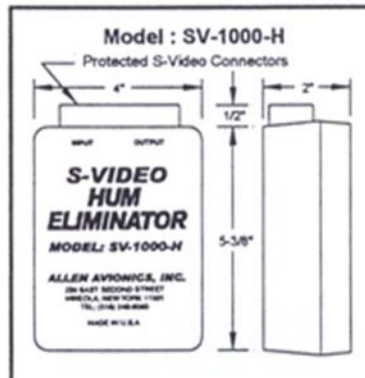
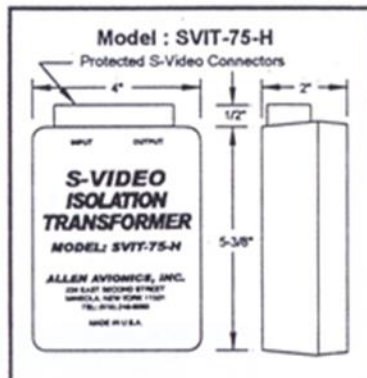
S-Video, Super VHS, S-VHS, HI-8 and other Y/C formats use two separate video signals. The luminance (Y) is the black and white portion providing brightness information. The chrominance (C) is the color portion providing hue and saturation. Both these signals are subject to interference caused by small differences in ground potential or by induced currents in long cable runs.



Shield protects S-Video Connectors



Mounting Inserts

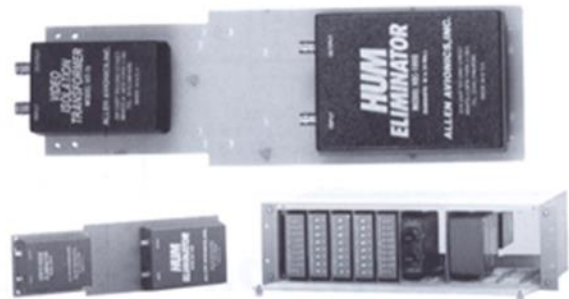


SVIT-75-H S-VIDEO ISOLATION TRANSFORMER	
PARAMETER	SPECIFICATION
Insertion Loss: Chroma & Luminance	<.6dB @ 3.58 MHz
Amplitude Matching	<.1dB
Bandwidth: Chroma & Luminance	10 Hz to 8 MHz
Luminance Non-Linearity	<.1%
VSWR: Chroma & Luminance	> 1.5:1 to 4.2 MHz
Dielectric Withstanding Voltage	500V
Input	± 1Volt
Weight	2 lbs
Size	5-3/8 x 4 x 2 Inches

SV-1000-H S-VIDEO HUM ELIMINATOR	
PARAMETER	SPECIFICATION
Insertion Loss: Chroma & Luminance	<.5dB @ 3.58 MHz
Amplitude Matching	<.1dB
Bandwidth: Chroma & Luminance	160 MHz
Luminance Non-Linearity	<.1%
VSWR: Chroma & Luminance	> 1.2:1 to 4.2 MHz
Input	± 1Volt
Weight	2.5 lbs
Size	5-3/8 x 4 x 2 Inches

## RACK CARD KIT MODEL # RMC-2

Provides mounting for two units per card which can be stored in a rack (Model # RM-1) containing up to 5 cards and ten (10) Hum Eliminator units or Isolation Transformers.



# ALLEN AVIONICS