



**Analogue Video Isolation Transformers  
For Professional Video Applications**

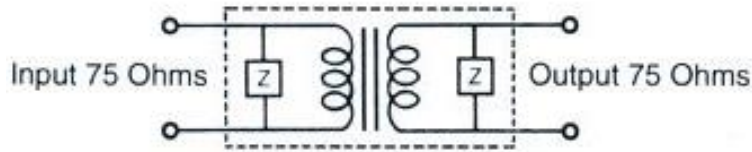
**Features**

- Eliminates Hum caused by ground loops
- Withstands over 500 Volts at DC
- Frequency response is flat over range 20Hz to 4.5MHz



90-6316 ALLEN AVIONICS VIT-75 ANALOGUE VIDEO ISOLATION TRANSFORMER 1 channel  
 90-6317 ALLEN AVIONICS VIT-75-3 ANALOGUE VIDEO ISOLATION TRANSFORMER 3 channel

Breaking the ground connection in video transmission lines will eliminate 50Hz - 60Hz hum caused by ground loops. When there are hum problems caused by large potential differences, (20 volts or more), the VIT is the product to use. The dielectric with standing voltage of the VIT of over 500 volts at DC. VITs are true isolation transformers—there is no DC path between the windings. Frequency response is flat over the range 20Hz. to 4.5MHz. VITs also remove the hum created by electromagnetically induced currents from power lines or distribution systems.



**Note:** Provision must be made for DC control signals, such as camera controls, which VITs will block.

Working Voltage: 50 Volts maximum

	VIT-75	VIT-75-3
CHANNELS	1	3
IMPEDANCE	75 Ohms	75 Ohms
BANDWIDTH	20 Hz to 6 MHz	20 Hz to 6 MHz
HUM REDUCTION	100 Megohms minimum	100 Megohms minimum
INSERTION LOSS	1 dB max	1 dB max
RETURN LOSS	20 dB min	20 dB min
ISOLATION between channels	N/A	60 dB
PACKAGE	High-impact ABS plastic	Die-cast Metal
MOUNTING	(2) 6-32 x 1/2" Inserts	(4) 6-32 x 1/2" Inserts
DIMENSIONS (H x W x D)	74 (including BNC's) x 51.4 x 42mm	119 x 93.7 x 52.4mm
WEIGHT	0.454kg	1.13kg