

# TV/FM/CABLE/VHF/UHF (50-900MHz) GROUND ISOLATION TRANSFORMER

Is your TV signal noisy? North Hills has developed the NH16573, a high quality ground isolation transformer with a bandwidth from 50MHz to 900MHz. This “Humstopper” can be used to eliminate the 60Hz hum bars and ac beat interference from your broadcast and cable TV that is degrading your picture.

The NH16573 is the solution for passing any UHF/VHF-based signals, including Digital Television (“DTV”), without degradation, while eliminating the ground loop interference. It has built-in DC isolation between its input and output RG-59 “F” connectors.

North Hills’ “**Humstoppers**” provide quick, cost-effective solutions to interference due to differences in ground potential or induced common-mode noise.

**North Hills Application Note 153** - “Ground Isolation in Video Transmission” and **Application Note 157** “Ground Isolation when the Video Feed has a DC Component” provide further information on the subject of video isolation transformers.



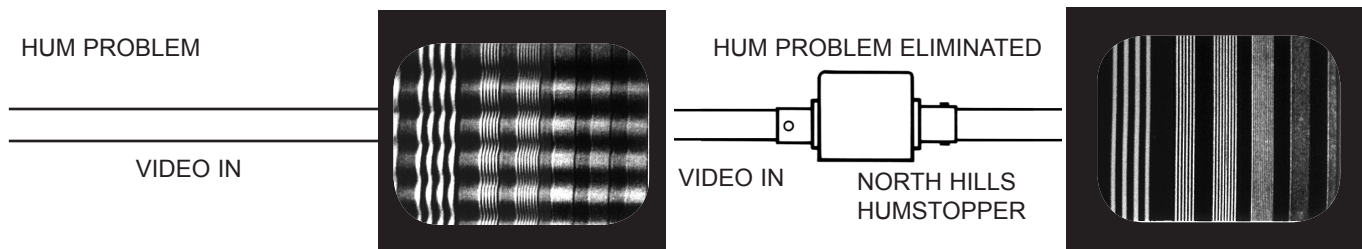
North Hills Model # NH16573 Ground Isolation Transformer.

## Features:

- Insulated F connectors
- Flat frequency and linear phase response
- 120 dB isolation at power frequencies
- 500 Vrms withstanding voltage, winding to winding and each winding to case

## Benefits:

- Eliminates picture quality problems easily and efficiently
- Fully sealed enclosure
- Easy to install



Further electrical specifications and physical dimensions on page 2.



# GROUND ISOLATION TRANSFORMER - "HUMSTOPPER"

For for passing any UHF/VHF-based signals, including Digital Television ("DTV"), without degradation (50-900MHz)

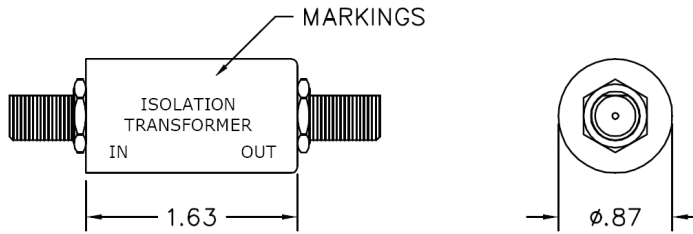


Fig. 1. Physical Dimensions (Inches)

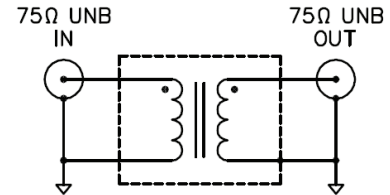


Fig. 2. Circuit Diagram

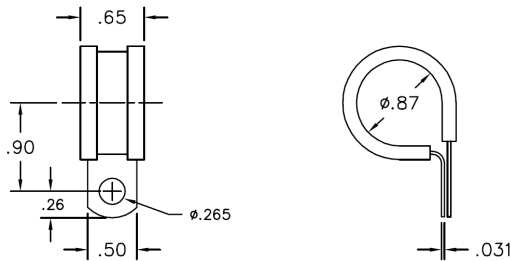


Fig. 3. Optional Mounting Clamp Physical Dimensions (Inches)

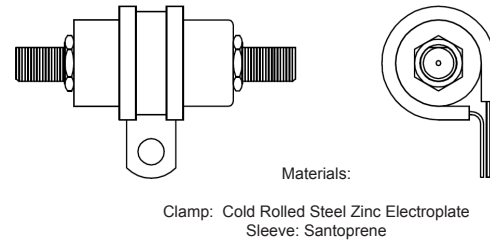


Fig. 4. Unit with Mounting Clamp Installed

<b>Electrical Specifications:</b>	
<b>Parameter:</b>	<b>Value:</b>
Impedance	75Ω UNB ~ 75Ω UNB
Frequency Range	50 MHz - 900 MHz
Insertion Loss	2 dB Maximum (50 MHz - 900 MHz)
Return Loss	15 dB Typical (50 MHz - 900 MHz)
Hipot	500VRMS, Conductor to Conductor
<b>Mechanical Specifications:</b>	
Connectors	Input & Output - F Connector Jack
Material Case	Cold Rolled Steel
Finish	Case - Tin/Lead Plate (60/40)
Weight	30 Grams (Excluding Mounting Clamp)
<b>ORDERING INFORMATION:</b>	
<b>Model#</b>	<b>NH16573</b>
<i>Specifications subject to change without notice.</i>	