

VPE-NTSC



NTSC VIDEO PRE-EMPHASIS NETWORK

The VPE-NTSC is a video Pre-Emphasis Network for NTSC color video. It is used to offset triangular noise distribution created by FM transmission systems. FM fiber, Satellite and microwave transmission systems exhibit this kind of triangular noise pattern. This standard video Pre-Emphasis noise reduction technique requires "ROOFING". Roofing occurs when the video pre-emphasis "signal curve" tops out, this prevents uncontrolled excessive high frequency overdrive.

The video pre-emphasis network uses a video standard time constant of 0.8162 microseconds and is roofed at 13.4 dB. This inline network uses two 75 Ohm (female) BNC connectors mounted in a light weight die-cast aluminum housing that can be mounted directly onto the video cables. The network is non-polar and can be connected in either direction on the video cable.

Use of pre-emphasis (VPE-NTSC) at the transmitter and de-emphasis (VDE-NTSC) at the receiver will result in a substantial noise improvement on your video signal.