VDE-NTSC

NTSC VIDEO DE-EMPHASIS NETWORK

The VDE-NTSC is a video De-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 De-Emphasis noise reduction technique requires "ROOFING". Roofing occurs when the video de-emphasis "signal curve" bottoms out, this prevents uncontrolled excessive high frequency roll-off.

The video de-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 attached directly onto the video cables. The network is non-polar and can be connected in either direction on the video cables.

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.