

FEATURES **Video Distribution Amplifier VDA 6HEQ**

- Excellent Frequency Response
- Very Low Noise & distortion
- Low D.G.D.P.
- High Isolation, High Gain
- Ultra Wide Band Width
- Short Circuit Protection
- Regulated Power Supply



VDA-6HEQ

COMCON VDA-6HEQ effectively combats hum pick up and H.F. Loss which is a common irritant in large installations. The **VDA-6HEQ** series has a high impedance floating input, which is connected, to the system through a built in hum sense and canceling network. Any traces of hum present in the video signal is further removed by a sample and hold technique in the output stage.

To get perfect signal quality **COMCON** has designed **VDA-6HEQ** with built in cable equalization. The signal passes through various stages of response and gain compensation. There are two controls for equalization namely coarse and fine. After the equalization stage, is a low impedance output stage, which can feed up to six independent 75Ω lines. The entire circuit is highly linear and gives excellent k factor and D.G.D.P. Readings. These controls adjust the cable losses in step-less form. With this arrangement any cable length can be easily and exactly compensated. The inputs and outputs are through BNC connectors and power is through an IEC receptacle connected in a loop free configuration.

Technical specifications **VDA 6**

Input

Number of Inputs	One loop through (75Ω bridging)
Composite colour video	1V peak-to-peak, ± 6 dB
Impedance	75Ω loop through
Return loss	>42dB (5 MHz)

Output

Impedance	75 Ω
Return loss	>38 dB (5 MHz)
No. of outputs	6
Level difference	<1%
DC on output	<100 mV
Equalization length	0 to 400 meters Coarse & Fine
Frequency response	±0.1 dB upto 5MHz, ±0.2 dB upto 8 MHz
Differential gain	<0.2%
Differential phase	<0.2°
Line and Field tilt	<0.2%
Gain	Unity ± 6dB
Common mode hum rejection	>45 dB
Operating Temp. Range	0° to 50° C, 10% to 90% RH, non-condensing
Connector	BNC

Others

Power	115/230 V ±10%, 50/60 Hz ±4%, (20 VA max.)
Size HxWxD	44 x 483 x 176 (in mm)
Weight	2.8 Kg.

Specifications are for a standard product and are subject to revision