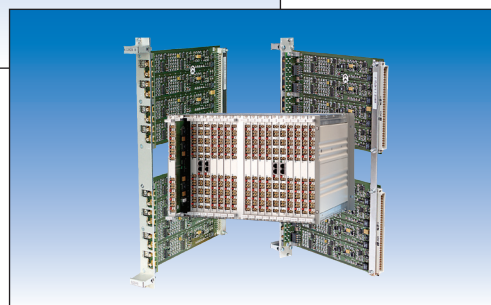
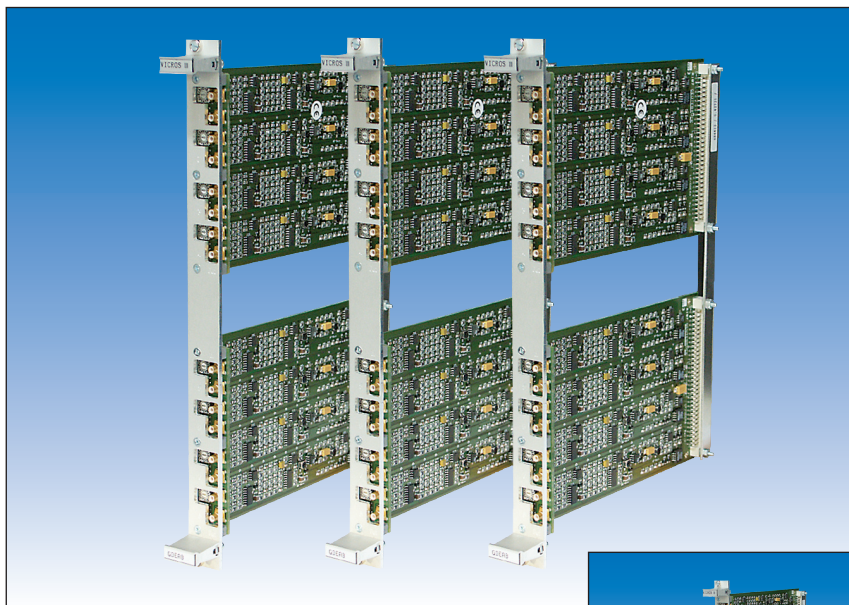


## GDEA/8

The high-quality equalization amplifier  
with galvanic de-coupling



- Video signal equalization for cable lengths of up to 1.2 km with RG-59, or 1.9 km with RG-11
- Integrated galvanic de-coupling to eliminate “ground-loops”
- 8 Channel fits directly into to fit ViCros III matrix sub-racks

Technical data	
	<b>GDEA/8</b>
Video input and output connectors	Composite signal, 1Vpp / 75 $\Omega$ , SMB plugs, 8 x inputs/outputs
Input and output impedance	75 Ohm
Video standard	CCIR/PAL or EIA/NTSC
Input and output voltage	1.0 Vpp
Galvanic de-coupling	Limited to +/-60 V via surge protector
Equalization	+1 dB to +28 dB at 5 MHz as with 0 to max. 1200 m coaxial cable 0.6/3.7 individually adjustable for each channel
Crosstalk	< -50 dB at 0 to 5 MHz
Signal/noise voltage ratio	< -60 dB (with CCIR 421-2)
Differential phase	< +/-1°
Differential gain	< +/-5%
Set-up	16-steps, each step optimised for a length of 75 m 0.6/3.7
Frequency response via cable	0 to 900 m: 2 Hz to 10 MHz, +/-3 dB from 900 m: 2Hz to 7MHz, +/-3 dB
Supply voltage	+5 max. 250 mA (all 4 channels), connection via 2 x 64-pin DIN spring rails, power supply via BGT back plane
Dimensions	19" sub-rack mounting 4 HP x 6 U
<b>Order number</b>	<b>0.42721</b>
Cable types	
<b>GDEA is optimised for 0.6/3.7 cables. May be used with other types of coaxial cables.</b>	
RG-59	Cable on the whole identical with 0.6/3.7.
1.0/6.6 RG-11	Because of this cable's lesser attenuation, a maximum of approx. 1920 m can be equalised, approx. 120 m per switch position. Low frequencies are over-proportionally amplified (< 100 kHz).
0.4/2.5	Because of this cable's higher attenuation, a maximum of approx. 800 m can be equalised, approx. 50 m per switch position. Low frequencies are under-proportionally amplified (< 100 kHz).
0.3/1.5 RG-179	Because of this cable's distinctly higher attenuation, a maximum of approx. 480 m can be equalised, approx. 30 m per switch position. Low frequencies are under-proportionally amplified (< 100 kHz).

Technical alterations reserved.