

Line / distribution amplifiers *high-power*

Type **GPV 845 E**

Order number 940 153-001



GPV 845 E

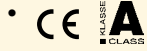
GPV 845 E is a variant of the high-power GPV 845 house connection amplifier family, especially equipped for MATV installations with local SMATV headends that do not provide any interactive services via this network.

Features:

- Only the forward path - including VHF band I is implemented
- Level adjuster and line equaliser with potentiometers.
- High output level at extremely low power consumption through MMIC GaAs push/pull output stage and switched-mode, high-efficiency

Power supply:

- Local supply from 230 V domestic network
- Compatible with standards EN 60065, EN 50083-1, EN 50083-2, Class A, EN 50083-3, quality class 2,



Frequency range MHz	40...862	
Gain forward		
@ 862 Mhz	dB	36
Attenuator / input	dB	0...20
Line equaliser / input	dB	0...17
Interstage attenuation	dB	0/6
Interstage pre-equalisation	dB	0/7
Linearity amplitude frequency response		
40...862 (1000) Mhz	dB	1.5
Fix slope	dB	+1
Noise factor	dB	5
Return loss		
@ 40 Mhz, -1.5 dB/octave	dB	>14
Output level, IMA = 60 dB		
IMA 2 in acc. with EN 50083-3	dB μ V	114
IMA 3 in acc. with EN 50083-5	dB μ V	123
CSO (42 chan. 862 MHz) Slope 0/7	dB μ V	109 / 111
CTB (42 chan. 862 MHz) Slope 0/7	dB μ V	108 / 110
HF connectors (75 Ω)		
Input	F-socket	
Output	F-socket	
Test point output (bi-directional)	F-socket, -20 dB	
Operating conditions		
Maximum output level (EMC)	dB μ V	105
Dimensions W x H x D	mm	150 x 80 x 50
Operating voltage	V	180...253
Power consumption	W	6.4
Operating temperature range	$^{\circ}$ C	-25 ... +55
Protection class	II	
Protection class (IP)	IP 65	
Weight	kg	2.0
RoHS 2002/95/EC conformant	yes	