

Type		HVB 21	HVB 31	HVB 32
Order number		217 351	217 352	217 353
EAN-Code		4026187195380	4026187195397	4026187195885
Forward Path				
Frequency Range	[MHz]	85 - 1006		
Gain	[dB]		31 ± 1	
Noise Figure	[dB]	≤ 5,5*		
Equalizer (Input)	[dB]	0 - 15 (level controller)		
Attenuation (Input)	[dB]	0 - 15 (level controller)		
Slope (Interstage)	[dB]	0 or 7 (pluggable)		
Testpoint at the output	[dB]	20 ± 1 (directional coupling)		
Maximum Output Level				
Accord. EN 60728-3, Draft, 112 Ch./8 MHz, 256 QAM, BER < 1E-9 Accord. KDG 1 TS 140 (Cenelec 41 Ch.)	[dBμV]	95 97	96 99	97 101
Return Path				
Frequency Range	[MHz]	5 - 65		
Gain	[dB]	22 + 1 / - 0,5	25 + 1 / - 0,5	26 + 1 / - 0,5
Slope (Interstage)	[dB]	3 (fixed)		
Noise Figure	[dB]	≤ 4,5**	≤ 4**	≤ 3,5**
Attenuation (Input)	[dB]	0 - 15 (level controller)		
Maximum Output Level				
Accord. KDG 1 TS 140 Accord. EN 60728-3, Draft, 6 Ch./8 MHz, 256 QAM, BER < 1E-9	[dBμV]	medium system load 111	full system load 112	
Common Data				
Power Consumption	[VA] / [W]	8 / 6,5	8,5 / 7	9,5 / 7,5
Impedance	[Ω]	75		
Return loss	[dB]	≥ 14 a. from 40 MHz - 1,5 / octave (at least 10)		
Connectors		F-jacks, 75 Ω		
EMC	[Ω]	accord. EN 50083 -2		
Supply Voltage	[V~/Hz]	230 / 50		
Ambient Temperature	[°C]	-15...+55		
Size (W x H x D)	[mm]	135 x 140 x 49 (including connectors)		
Weight	[kg]	0,8		
Mounting and operation heigth		< 3000 m over N.N.		
Protection Class		DIN EN 60 529-IP 20		
VFKD classification		B2.1	B3.1	B3.2

*) at 85 - 108 MHz with bandwidth conversion; **) measured at 10 MHz