

Type		HV 433-85 Vario	
Order number		217 420	
EAN-Code		4026187195045	
Forward Path			
Frequency Range	[MHz]	104 - 1218* @ Diplexer DF85 258 - 1218 @ Diplexer DF204	
Gain	[dB]	43 ± 1*	
Frequency Flatness	[dB]	± 1	
Slope (Interstage)	[dB]	0 or 7, Jumper	
Attenuation (Interstage)	[dB]	0 or 6, Jumper	
Noise Figure	[dB]	≤ 7	
Slope (Input)	[dB]	0 - 18	
Attenuation (Input)	[dB]	0 - 20	
Test Point (Output Downstream)	[dB]	20 ± 1, directional coupler	
Output Level			
accord. EN 50083-3, 2 stations, linear and at 60 dB IMA2	[dBμV]	114	
accord. EN 50083-5, 3 stations, 2 with 6 dB-backoff and at 60 dB KMA3	[dBμV]	114	
accord. EN 60728-3 with 112 QAM256 carrier 8 MHz bandwidth	[dBμV]	103	
CENELEC 41 at linear rejection, without slope	[dBμV]	106	
CENELEC 41 with 7 dB interstage slope	[dBμV]	108	
Return Path			
Frequency Range	[MHz]	5 - 85 @ Diplexer DF85 5 - 204* @ Diplexer DF204	
Gain	[dB]	29 ± 1	
Noise Figure	[dB]	≤ 6**	
Attenuation (Input / Output)	[dB]	0 - 20	
Interstage slope	[dB]	with DF 204 3 dB fixed, add. 3 dB pluggable	
Test Point (Output Upstream)	[dB]	20 ± 1, bi-directional	
Output Level			
accord. EN 50083-3, 2 stations, linear and at 60 dB IMA2	[dBμV]	106	
accord. EN 50083-5, 3 stations, 2 with 6 dB-backoff and at 60 dB KMA3	[dBμV]	119	
accord. EN60728-3 with 24 QAM256 carrier 8 MHz bandwidth	[dBμV]	104	
accord. EN60728-3 with 6 QAM256 carrier 8 MH bandwidth	[dBμV]	112	
with 7 QAM64 carrier / 6 MHz bandwidth	[dBμV]	113	
Common Data			
Power Consumption	[VA] / [W]	16 / 7,5	
Impedance	[Ω]	75	
Return Loss	[dB]	≥ 14, from 40 MHz - 1,5 / Oct., min. 10	
Connectors		F-Connectors, 75 Ω	
EMC	[Ω]	acc. EN 50083 -2	
Supply Voltage	[V~/Hz]	230 - 23 %/+10 %, 50	
Ambient Temperature	[°C]	-15...+55	
Size (W x H x D)	[mm]	135 x 154 x 49 (including connectors)	
Weight	[kg]	1,0	
Mounting and operation heighth	[m]	< 4000 über N.N.	
Protection Class		DIN EN 60 529-IP 20	

* the gain value refers to the practical case of using the input equalizer and the interstage slope

** measured at ca. 10 MHz