

Type	HV 433-65 Vario		HV 433-85 Vario	
Order number	217 465		217 420	
EAN-Code	4026187210144		4026187195045	
<b>Forward Path</b>				
Frequency Range	[MHz]	85 - 1218* verwendbar nur mit Diplexfilter <b>DF65</b> und DF204	104 - 1218* verwendbar nur mit Diplexfilter <b>DF85</b> und DF204	
Gain	[dB]		44 ± 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		
<b>Output Level</b>				
acc. EN 60728-3 with 112 QAM256 carrier 8 MHz bandwidth	[dBμV]	104 / 106		
acc. EN 60728-3 with 119 QAM256 carrier 8 MHz bandwidth	[dBμV]	102 / 104		
CENELEC 41 linear / 7 dB Interstage Slope	[dBμV]	106 / 108		
<b>Return Path</b>				
Frequency Range	[MHz]	5 - 65 & 5 - 204* usable only with diplex filter <b>DF65</b> and DF204	5 - 85 & 5 - 204* usable only with diplex filter <b>DF85</b> and DF204	
Gain	[dB]	29 ± 1		
Noise Figure	[dB]	≤ 6**		
Attenuation (Input/Output)	[dB]	0 - 20		
Interstage Slope	[dB]	with DF 204 3 dB fixed, additionally 3 dB pluggable		
Test Point (Output Upstream)	[dB]	20 ± 1, bi-directional		
<b>Output Level</b>				
acc. EN60728-3 with 24 QAM256 carriers 8 MHz-bandwidth	[dBμV]	104		
acc. EN60728-3 with 6 QAM256 carriers 8 MHz-bandwidth	[dBμV]	112		
with 7 QAM64 carriers / 6 MHz bandwidth	[dBμV]	113		
<b>Common Data</b>				
Power Consumption	[VA] / [W]	19 / 9		
Impedance	[Ω]	75		
Return Loss	[dB]	≥ 14 and from 40 MHz - 1,5 / Octave (at least 10)		
Connectors		F-female, 75 Ω		
EMC	[Ω]	according EN 50083 -2		
Supply Voltage	[V~, Hz]	230 - 23 %/+10 %, 50		
Ambient Temperature	[°C]	-15...+50		
Size (W x H x D)	[mm]	135 x 154 x 49 (including connectors)		
Weight	[kg]	0,75		
Mounting and operation height	[m]	< 4000 over N.N.		
Protection Class		DIN EN 60 529-IP 20		

\* the gain value corresponds to the practical case of using the input slope and interstage slope

\*\* measured from 10 MHz