Technical data on IFE series

Type Art. No.		GHV 820 A 323010	GHV 820 C 323012	GHV 830 A 323016	GHV 830 C 323018	GHV 834 C 323037
Frequency rang						
Forward path	MHz	85-862	85-862	85-862	85-862	47-862/87-862
Return path	MHz	5-65	5-65	5-65	5-65	5-65
Gain forward						
Gain @ 862 MHz	dB	21	21	30	30	34
Attenuator at input (2 dB steps)	dB	0-20	0-20	0-20	0-20	0-16
Attenuator elements interstage	dB					
Gain return path						
Gain @ 60 MHz	dB	19	19	24	24	26
Attenuator elements at input	dB	0-20	0-20	0-20	0-20	0/3/6/9/ >50
Attenuator elements at output	dB	0/10	0/10	0/10	0/10	0/10
Amplitude response forward						
Line equalizer at input	dB	0-18		0-18		
Line equalizer (2-3 dB steps)	dB		0-16		0-16	0-16
Slope interstage	dB		0/7		0/7	0/7
Amplitude response return path 5-60 MHz	dB					
Equalizer element interstage	dB	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Random noise						
Forward (VHF I „on“)	dB	6.0	6.0	6.0	6.0	5.5
Return path (VHF I „off“)	dB	6.0	6.0	6.0	6.0	5.5
Return loss @ 40 MHz, -1.5 dB/octave						
Forward	dB	> 14	> 14	> 14	> 14	> 14
Return path	dB	> 17	> 17	> 17	> 17	
Output level forward						
IMD2/ IMD3 ≥ 60 dB	dBµV	100/107	100/107	105/109	105/109	112/118
CSO/CTB ≥ 60 dB. 42 ch, flat	dBµV	97/100	97/100	101/100	101/100	104/103
CSO/CTB ≥ 60 dB, 42 ch. Slope 0/7 dB	dBµV					
Output level return path						
IMD2/ IMD3 ≥ 60 dB	dBµV	102/107	102/107	102/107	102/107	102/113
RF connectors (75 Ohm)						
Input		F-female	F-female	F-female	F-female	F-female
Output		F-female	F-female	F-female	F-female	F-female
Operating conditions						
Max. RF level (EMC)	dBµV	105	105	105	105	110
Supply voltage	V	230 /±10%	230 /±10%	230 /±10%	230 /±10%	230 /±10%
Power consumption	W	5	5	6	6	7.5
Operating temperature	°C	-25...+55	-25...+55	-25...+55	-25...+55	-25...+55
Protection class		II	II	II	II	II
Degree of protection	IP	20	20	20	20	20
Dimensions W x H x D	mm	150 x 80 x 50	150 x 80 x 50	150 x 80 x 50	150 x 80 x 50	150 x 80 x 50
Weight	kg	0.65	0.65	0.65	0.65	0.68
Packing unit		1 pcs. box	1 pcs. box	1 pcs. box	1 pcs. box	1 pcs. box
Reference standards						
Product standards/safety/EMC		EN 50083-3 - Class 2 / EN 50083-1; EN 60065 / EN 50083-2				
RoHS 2002/95/EG compliant		Yes				