

Technical data on IFE series

Type Art. No.		GHV 20 E 323022	GHV 30 E 323025	GHV 20 M 323028	GHV 24E 323031	GHV 834 C 323037
Frequency range						
Forward path	MHz	40-862 (1000)	40-862 (1000)	85-862 5-65	40-862 (1000)	47-862/87-862 5-65
Return path	MHz					
Gain forward						
Gain @ 862 MHz out 1	dB	21	29	12	18	34
Gain @ 862 MHz out 2-3-4	dB			10.5	17	
Attenuator at input	dB	0-20	0-20	0-20	0-20	0-16
Gain return path						
Gain @ 60 MHz	dB			0		26
Attenuator elements at input	dB					
Attenuator elements at input (3 dB)	dB					0/3/6/9/ >50
Attenuator elements at output	dB					0/10
Amplitude response forward						
40-862 MHz (VHF I: on)	dB	1.5	1.5	1.5	1.5 (3.5)	
Line equalizer (2-3 dB steps)	dB			+ 1	+ 1	0-16
Fix slope						
Slope interstage (jumper)						0/7
Amplitude response return path 5-60 MHz	dB			1.0		
Equalizer element interstage	dB					± 1.0
Random noise						
Noise figure - forward (VHF I „on“)	dB	6.0	6.0	6.0	4.5	5.5
Noise figure - return path (VHF I „off“)	dB					5.5
Return loss @ 40 MHz, -1.5 dB/octave						
Forward	dB	> 16	> 16	> 16	> 16	> 14
Return path	dB			> 17		
Output level forward						
IMD2/ IMD3 ≥ 60 dB	dBμV	100/107	105/109	90/97	92/103	112/118
CSO/CTB ≥ 60 dB, 42 ch., Slope 0/7	dBμV	97/100	101/101	87/90	91/91	104/103
Output level return path						
IMD2/ IMD3 ≥ 60 dB	dBμV			passive		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	3	5	3	5	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				