



## IFE Amplifiers for SMATV Applications

Excellent electrical performance for low cost and low power consumption  
High performance - High Quality - Low Price



TYPE PART NO.		IFE 20 T323022	IFE 30 T323025
Frequency range	MHz	40-862	40-862
Basic unit without RP modules	MHz	(1000 MHz)	(1000 MHz)
selected: VHF I "on", RP "off"	MHz		
selected: VHF I "off", RP "on"	MHz		
Gain forward			
Gain @ 862 MHz out 1	dB	21	29
Gain @ 862 MHz out 2-3-4	dB		
Attenuator at input	dB	0-20	0-20
Gain return path			
Gain @ 60 MHz	dB		
Attenuator elements at input	dB		
Attenuator elements at output	dB		
Amplitude response forward			
40-862 MHz (VHF I: on)	dB	1.5	1.5
Fix slope	dB	+ 1	+ 1
Line equalizer at input	dB		
Line equalizer (2-3 dB steps)	dB		
Slope interstage	dB		
Amplitude response return path 5-60 MHz	dB		
Equalizer element interstage	dB		
Random noise			
Noise figure	dB	6	6
Forward (VHF I „on“)	dB		
Return loss @ 40 MHz, -1.5 dB/octave	dB	> 16	> 16
Output level forward			
IMR2/ IMR3 ≥ 60 dB	dBμV	100/113	105/113
CSO/CTB ≥ 60 dB, 42 ch. flat	dBμV	95/98	100/100
Output level return path			
IMR2/ IMR3 ≥ 60 dB	dBμV		
RF connectors (75 Ohm)			
Input		F-female	F-female
Output		F-female	F-female
Test point input: bi-directional	dB		
Test point output: directional	dB		
Operating conditions			
Max. RF level (EMC)	dBμV	105	105
Supply voltage	V	230 / ±10%	230 / ±10%
Power consumption	W	3	5
Operating temperature	°C	-25...+55	-25...+55
Protection class		II	II
Degree of protection	IP	20	20
Dimensions W x H x D	mm	150 x 80 x 50	150 x 80 x 50
Weight	kg	0.65	0.65
Packing unit		1 pcs. carton box	1 pcs. carton box
Reference standards			
Product standards/safety/EMC		EN 50083-3 - Class 2 / EN 50083-1; EN 60065	
RoHS 2002/95/EG compliant			Yes