

SAT amplifiers



ZF-712

Description

IF broadband amplifier for one polarity which amplifies the IF band from an LNB and mixes the terrestrial TV signal coming from the rest of the equipment. It feeds the LNB with the power voltage and 22 KHz signal required to obtain the desired polarity.

Applications

SMATV installations requiring the distribution of one satellite polarity together with the rest of the terrestrial TV channels. The distribution is made in the terrestrial TV band and the satellite IF band. Especially appropriate for bouquets which have all their transponders in a single polarity.

Characteristics

This module is compatible with the rest of the range of 905-ZG TV equipment. It allows the distribution of the terrestrial TV and satellite signals in a unified form from a single piece of equipment.

CODE	9050116	
MODEL	ZF-712	
TV System	FM-TV / DVB-S	
Connection	F female	
Frequency range	MHz	950-2150
Gain	dB±TOL	45 ±1,0
Flatness response	dB	±0,5
Adjustable gain range	dB	20
Fixed equalization	dB	10
Extension input loss	dB	2.0 ±0,5
Output level	dBµV	123.0 (IMD ₃ - 35dB) 115.0 (IMD ₂ - 35dB)
Return loss I/O	dB	>10.0
Noise figure	dB	7.0 ±1,0
LNB power supply	V---	+12/0/+18
	mA	350 max.
	Tone	0/22 KHz
Supply	V---	+24
	mA	145 + LNB
Operating temperature close to equipment	°C	-10..+65
Room temperature with/without fan	°C	-10..+55/+45
Protection index	IP 20	
Units per packaging	1	40
Packing weight	Kg	0.50
Packing dimensions	mm	196 x 76 x 32
		385 x 385 x 225

The power supply must also feed the LNB (consumption between 150 and 250 mA).

IMD₃ -35 dB: 2 equal carriers, EN 50083-5

IMD₂ -35 dB: 2 equal carriers, EN 50083-5