



ZP-211

Description

Analogue FM radio broadband amplifier which amplifies the entire FM radio band. Amplifies the whole FM radio band. High gain and output level.

Applications

MATV installations that include FM radio distribution.

Characteristics

This module is compatible with other equipment for TV in the 905-ZG range. It allows distribution of FM radio and of television signals to be combined using a single piece of equipment. Attenuator by means of active MOSMIC regulator to reduce the noise figure. 30dB multistage attenuator. Switch to supply power to preamplifiers with protection against short circuits

CODE		9050097
MODEL		ZP-211
Radio System		FM-R
Connection		F female
Band width	MHz	20,5
Frequency range	Band	FM
	MHz	87.5-108.0
Gain	dB \pm TOL	40 \pm 3,0
Adjustable gain range	dB	30
Maximun output level	dB μ V	2X101 DIN 45004K 2X110.5 (IMD ₃ - 35dB) FM
Noise figure	dB	9 \pm 2,0
Return loss	dB	\geq 10
Output voltage	V \dots	+24
	mA	33
Power supply	V \dots	+24
	mA	45
Operating temperature close to quipment	$^{\circ}$ C	-10..+65
Room temperature with/without fan	$^{\circ}$ C	-10..+55/+45
Protection index		IP 20
Units per packaging		1
Packing weight	Kg	0.38
Packing dimensions	mm	196 x 76 x 32

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB

IMD₃ -60 dB: 3 unequal carriers, EN 50083-5

IMD₃ -35 dB: 2 equal carriers

Gain and noise figure after applying gain reduction by diplexing.