



AM-213



AM-132



AM-133

Description

Broadband mast amplifier. Has one or two inputs, to amplify and combine signals from the antennas. Is powered through the coaxial cable from a power supply unit installed inside the building.

Applications

Individual digital and analogue terrestrial TV installations. Amplifies and mixes the signals from several antennas. The signal obtained can be distributed to a large number of TV outlets using a single coaxial cable. Amplifiers with UHF input are generally used as preamplifiers in SMATV installations.

Characteristics

Shielded zamak chassis, covered with an ABS plastic box for outdoor use. Fixed to the mast by means of a polyamide clamp. F-type connectors.

Accessories

- 9030087 AL-105 power supply unit, 12V \overline{DC} .
- 9030119 AL-125 power supply unit, 12V \overline{DC} , with UK plug.
- 9120039 CM-004 Male F-connector for Ø6.6mm coaxial cable.
- 9080023 MC-302 Male F-connector for Ø7.0mm coaxial cable.

CODE		9030120	9030121	9030118
MODEL		AM-132	AM-133	AM-213
Connection		F female		
Inputs		1	1	2
Frequency range	Banda	UHF		BIII/DAB
	MHz	470-862		175-260
Gain	dB	24 \pm 2.0		15 \pm 1.0
	\pm TOL			- 0.5 \pm 0.25
Flatness response	dB	\pm 1.5		\pm 0.5
Adjustable gain range	dB	-	15	-
Output level	dB μ V	108 DIN 45004B 105 (IMD ₃ -66 dB)		108 DIN 45004B 105 (IMD ₃ -66 dB)
Return loss	dB	\geq 10		
Noise figure	dB	2.5 \pm 0.2		2.5 \pm 0.5
Rejection between inputs	dB	-		\geq 30
Power supply	V \overline{DC}	12	12	12
	mA	33	45	27
Operating temperature	$^{\circ}$ C	-10..+65		
Protection index		IP 53		
Units per packing		1	24	
Packing weight	Kg	0.22	5.6	
Packing dimensions	mm	115 x 105 x 45	310 x 205 x 250	

DIN 45004B: 3 unequal carriers, IMD₃ a 60 dB
 IMD₃ -66 dB: 3 unequal carriers, EN 50083-5

The AM-132 and AM-133 amplifiers are available in kit format (see page 57 and following pages).