Kit: Low-gain mast amplifier and “F” Power Supply Unit Ref. 536021 + Ref. 550104

The kit consists of:

Ref. 536021: Low-gain mast amplifier, 3 inputs: HighVHF-UHF-UHF
Masthead amplifier for the amplification of terrestrial television signals coming from several antennas.
Equipped with 3 inputs, with amplification on all bands. The amplifier is powered through the output coaxial cable at 12 Vdc.

Ref. 550104: “F” Power Supply Unit, 12V - 220mA, 2 outputs
12 V-power supply (220 mA) that powers equipment through the input coaxial cable while allowing the transmission of the TV signal. Included in the installation to power either mast amplifiers or a BOSS system. Furthermore, it is equipped with two outputs.
The power supply is UL certified (US plug).

Ref.	536081
EAN13	8424450185643

Other features

Colour	Orange

Physical data

Net weight	650.00 g

Packaging info

Box	1 pcs.
Box	1 pcs.

Gross weight	770.00 g

Highlights

- Independent amplification for each individual band
- EasyF connection system
- Fully automated manufacturing, subject to the most stringent quality controls
- High-screening Zamak chassis

Main features

- ON/OFF switch to allow DC pass towards one of the UHF inputs for the powering of a BOSS system
- Easy mounting. Equipped with a plastic tie for mast mounting
- Resistant ABS-plastic orange case for outdoor installation

Discover

EasyF connection system: simplicity and savings

EasyF is an innovative connection concept where the inner conductor of the coaxial cable is directly inserted in the device, thus improving connection reliability. Thanks to the absence of F connectors, the chassis can be reduced and the connection of two cables secured with a a single screw.

- Real time savings: speeding the installation is possible without the need for coaxial cable termination. Furthermore, there is no need for screwing the connectors on the device, which is sometimes difficult when there is little room
- Connection reliability: the clamp holding the cables prevents the coaxial cable to come off

- Cost savings: no additional connectors are required (neither F nor IEC)
- Space optimization: inputs and outputs are always on the same side of the device to prevent coaxial cables from bending, and to make working inside cabinets and register boxes easier
- Very easy three-step mounting: only screwing and unscrewing the covers is required to connect both cables:

1. Unscrew the device's cover to access the connection

2. Insert the previously stripped coaxial cables

3. Close the cover and screw to ensure connection

Learn more about EasyF system reliability

With EasyF, the connection between the coaxial cable and the device is carried out using an automated system for contact insertion of the inner conductor, without any soldering.

- Always as new: the device's operating life increases when the factor of solder wearing out with time is removed
- Failure rate reduction: usually produced as a result of cold soldering joints
- Electromagnetic behaviour optimization: for high frequencies
- Our commitment with environment is reinforced: pollution caused by the welding process is eliminated and production power consumption is reduced

Technical specifications

Reference			536021		
Bands			UHF 1	UHF 2	HighVHF
Frequency margin	MHz		470-790	470-790	174-254
Gain	dB		26		26
Gain adjustment range	dB		0 ... 18	0 ... 18	0 ... 18
Max.output level	dBmV	EN 50083 (-35dB)	61		58
		DIN 45004B	54		51
		EN 50083 (-60dB)	51		48
Noise figure	dB		10		10
Power supply	Vdc/mA		12 / 110		
Max current through inputs	OFF	mA	-		
	ON		45	-	-
Protection Level	IP		23		
Temperature operat. limits	ºF		+23 ... +113		

Reference		550104	
Frequency margin	Mhz	5 - 862	
Through loss (typ.)	dB	1 Out	Main: 1.5 / Aux: ----
		2 Out	Main 4 / Aux: 4
Output Interstage equalizer	V	12 ±1.5	
Max. output current	mA	220	
Min. output current	mA	30	
Mains Interstage equalizer	V~ / Hz	108 - 132 / 50-60	
Max. consumpt	mA~ / W	65 / 3.6	
Protection level	IP	20	
Working temperature	ºF	+14 ... +113	