

## eMAP3 5G

Headends with filters



**3-input** (VHF+DAB / UHF flexible) **self-programmable head-end for external pole-mounting installation**, to carry out high selectivity filters with up to 90dB $\mu$ V output level for each filter. **32 single-channel filters**.

### Technical Chars

- **Self Equalizer:** the product **scans** all the input signals and **automatically amplifies** all receivable channels, **equalizing** them on the output port. It is done automatically after every short-time power-off.
- **Repeated Mux Conversion:** when there are **iso-frequency channels** on different inputs, it is possible to decide, setting a **dip-switch**, if **maintain** only the stronger channel and remove weaker, or **re-locate** weaker channels on 5G and 4G LTE frequencies.
- The station can **filter, convert, amplify and distribute** many DVB-T/T2 digital terrestrial multiplexes available in both VHF and UHF bands.
- **Perfect equalisation of output signals.**
- Isofrequency filtering or channel conversion.
- Automatic gain control on every single mux.
- **5G and 4G LTE filtering.**
- Quick and easy installation.

initial_fields		
Code		223777
Input		
Inputs		3 x VHF/UHF
Input no.		3
Connectors		F female
Filter		Flexible Matrix 32/1
DAB, III Frequency	MHz	174 - 240
Frequency	MHz	470 - 694 (5G >40dB filter)
Dynamic adj	dB	>60 (auto AGC)
VHF input level	dB $\mu$ V	40 - 100
Maximum input level UHF	dB $\mu$ V	40 - 100

Outputs		
Outputs number		1
Connectors		F female
Mixed band	MHz	174 - 240 / 470 - 862
UHF Max Output level	dB $\mu$ V	90 (for each filter VHF/UHF)
Cluster selectivity filter	dB	50 @1MHz
MER RF	dB	III+DAB/UHF: 35
Return loss	dB	>10
Specifications		
Power supply voltage	V	12-15 (289087 - SPS1750 included)
Current consumption	W	4.2
Operating temperature	°C	-5 to +50
Conformity		EN60065: 2004-06, EN50083-2: 2002-05
Dimensions and packaging		
Pieces		1
EAN code		8016978106844
Product dimensions	mm	120 x 105 x 60

## Perfect equalization

FRPRO power packs allow for a **perfectly equalized signal** at the output due to separate input filter management and high dynamic CAG.