

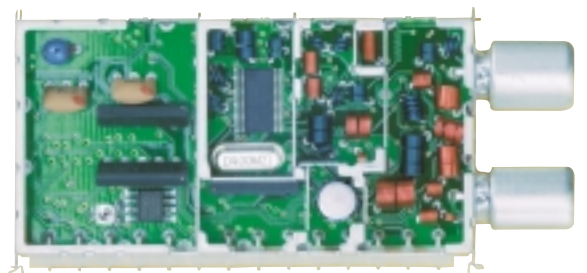


RF SOLUTIONS
FMD1216ME

WORLD FIRST HYBRID DVB-T/ANALOG MULTI-STANDARD FRONT-END MODULE WITH FM RADIO!

The FMD1216ME is a hybrid module that supports DVB-T, analog multi-standard TV systems and FM radio functionality.

This module is identical in footprint and mechanical dimension to our well-known FM1200 MK3 series. It includes a switch between digital and analog TV modes to conserve energy. The balanced digital IF signal is band limited by a switch-able 7/8 MHz digital SAW filter and an AGC controlled IF amplifier.



PHILIPS

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Features:

- DVB-T support with AGC-controlled IF output
- Multi-standard front-end for CCIR B/G, D/K,I and L/L' systems
- Standard FM radio coverage 87.5 to 108 MHz
- 5V supply with integrated DC-DC converter for tuning voltage supply
- Excellent Phase Noise for best performance (typically -105 dBc @ 10 kHz)
- Full frequency coverage from Ch E2 to E69
- PLL controlled tuning with crystal accuracy
- Programmable PLL step size
(31.25 , 50 kHz, 62.5, 125, 142.86 166.67 kHz)
- True synchronous vision IF demodulation for low distortion
- Quasi-Split Sound concept for best sound quality
- I²C control of tuning, and AFC read status
- Switchable mode between analog and digital TV to conserve energy
- CVBS/AF-MPX and 2nd IF sound output
- Complies with EN55020 /55013 and CISPR 20/13
- Small horizontal and vertical form factor
- Application test kit with the Philips TDA10046 DVB-T channel Decoder



Size

- 70mm x 39mm x 13mm

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Issue: April 2004