

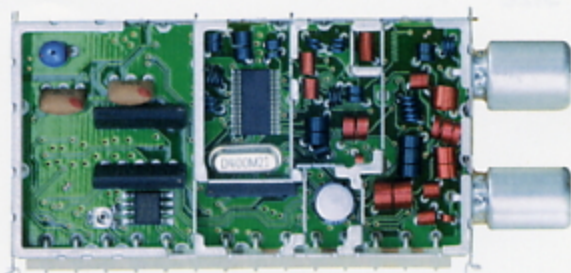


RF SOLUTIONS
FMD1216ME

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 FMI200 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.



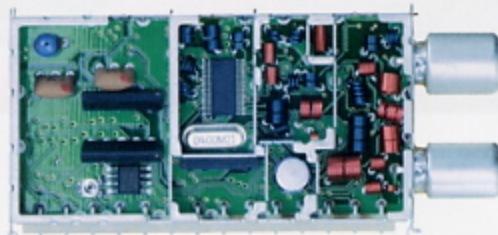
PHILIPS

FMD1216ME

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

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

Headquarters

Philips RF Solutions
Prof. Holstlaan 4 / Building WL
5656 AA Eindhoven,
The Netherlands
Fax: + 31 40 27 43 653
www.rfsolutions.philips.com

Regional Sales Office The Americas

Philips RF Solutions
101 South Ann Arbor Street
Suite 303
Saline, MI 48176 USA
Tel: + 1 734-944-4299
Fax: + 1 734-944-4427

Regional Sales Office Asia/Pacific

Philips Taiwan Ltd.,
RF Solutions, 14F-1, No. 3-1,
Yuan Qu St., Nan Gang District,
Taipei 115, Taiwan, R.O.C.
Tel: + 886-2-3789-2388
Fax: + 886-2-3789-2394

Regional Sales Office Europe

Philips RF Solutions
Prof. Holstlaan 4 / Building WL
5656 AA Eindhoven,
The Netherlands
Tel: + 31 40 27 45 799
Fax: + 31 40 27 43 653



©2004 Koninklijke Philips Electronics NV. All rights reserved. The information and specifications are subject to change without prior notice. Philips tries to ensure that all information in this document is correct but does not accept liability for any error or omission. All trademarks and product names mentioned are trademarks or registered trademarks of their owners.

Issue: April 2004