General Description

The **G**SM **A**nalog Interfacing Module (GAIM) is part of a chip set, which covers all functions of a mobile radio provided for the **G**lobal **S**ystem for **M**obile communications, GSM. A mobile terminal which contains this chip set will meet all performance requirements set down in the GSM recommendations for speech and data services.

GAIM is provided for analog-to-digital and digital-to-analog conversion of baseband and voiceband signals as well. Moreover digital-to-analog conversion of an RF power control signal can be performed by this circuit.

Туре	Package
PMB 2905-F	P-TQFP-64-1 (SMD)

Features

- Baseband receive A-to-D converter analog antialiasing filter (2nd order Bessel) 2nd order sigma-delta modulators for baseband receive and battery measurements
- Baseband transmit D-to-A converter 10 bit switched-capacitor-type DAC analog postfilter (6 th order Bessel)
- Power ramping control D-to-A converter 8-bit resistor-string-type DAC
- Voiceband receive D-to-A converter low pass filter following digital Σ-Δ-modulator on GOLD-SP two programmable earpiece gain stages
- Voiceband transmit A-to-D converter 2nd order sigma-delta modulator analog antialiasing filter two programmable microphone gain stages
- Package
- P-TQFP-64-1, 10 × 10 mm, 0.5 pitch
- 3-V supply voltage (± 10 %)

