

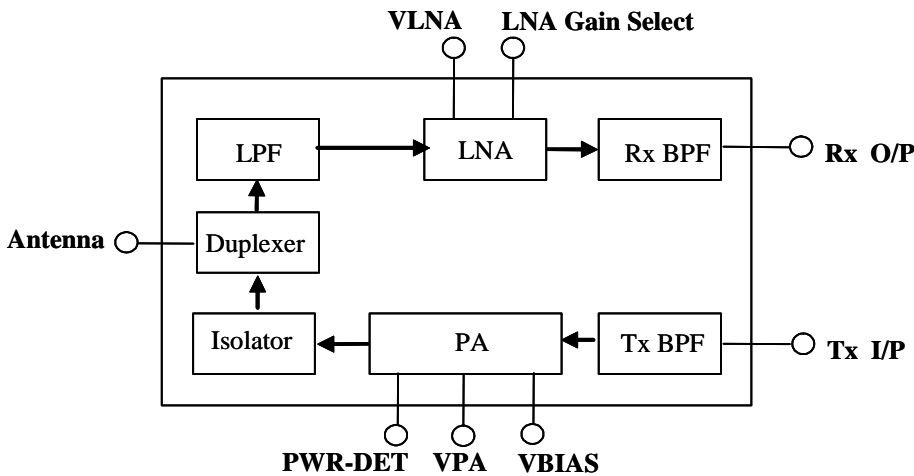
**DESCRIPTION**

The MODEL VFM1061A is a UMTS picocell front end module (FEM). It is designed to replace all of the RF components that would be typically used in a lower power BTS front end. It is RoHS compliant and lead-free in a SMT construction.

**FEATURES**

- PA capable of delivering 17 dBm at the antenna port while meeting TS25.104 R6.
- Distributed filters offering excellent isolation and harmonic suppression.
- LNA with Bypass mode to increase receiver linearity

**Block Diagram**



**Photo**



**Typical specifications:**

**TRANSMIT**

Frequency range	2110 - 2170 MHz
PA supply voltage	5V
PA bias voltage	3.3V
PA current drain	400 mA
Power @ antenna port	17 dBm
ACLR	-50 dBc
Tx gain	30 dB

**RECEIVE**

Frequency range	1920 - 1980 MHz
LNA supply voltage	4V
LNA current drain	14 mA
Noise figure	4 dB
Rx gain	12 dB

Size: 31.0 x 25.1 x 6.75 mm

Temp. range: -30C to 75C