

**PRODUCT SUMMARY**

# SKY77794-12 SkyBlue™ Power Amplifier Module for LTE Band 42

**Applications**

- Multiband handsets
- TDD LTE- and FDD LTE-modulated handsets for band 42

**Features**

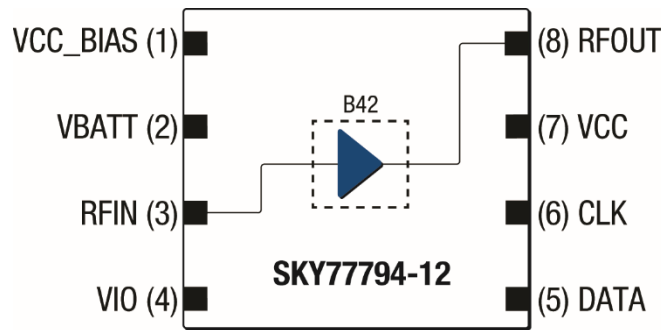
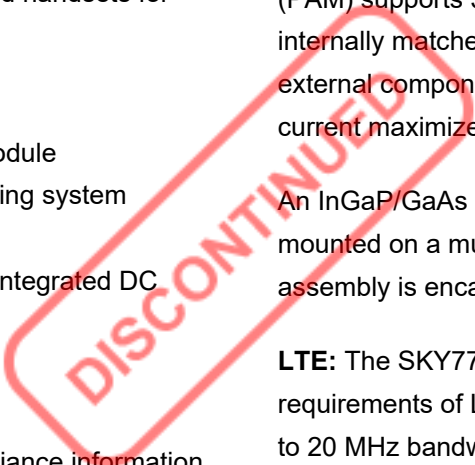
- Fully integrated power amplifier module
- Optimized for average power tracking system
- Fully programmable MIPI®
- 50 ohm input/output impedances, integrated DC blocking on all RF ports
- Small, low profile package
  - 2 mm x 1.8 mm x 0.65 mm
  - 8-pad configuration
- For RoHS and other product compliance information, see the Skyworks Certificate of Conformance.

**Description**

The SKY77794-12 SkyBlue™ Power Amplifier Module (PAM) supports 3G/4G handsets. RF I/O ports internally matched to 50 ohms minimize the need for external components and extremely low leakage current maximizes handset standby time.

An InGaP/GaAs die and passive components are mounted on a multi-layer laminate substrate. The assembly is encapsulated in a plastic overmold.

**LTE:** The SKY77794-12 meets spectral linearity requirements of LTE modulation with QPSK/16QAM up to 20 MHz bandwidth, including various resource block allocations, with good power-added efficiency.



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Figure 1. SKY77794-12 Functional Block Diagram

Ordering Information

Product Name	Order Number	Evaluation Board Part Number
SKY77794-12 SkyBlue™ Front-End Module	SKY77794-12	



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