PRODUCT SUMMARY

SKYA22002 SkyBlue™ Power Amplifier Module for Automotive Applications – LTE Band 42

Applications

- Multiband telematics module
- TDD LTE- and FDD LTE-modulated 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

Skyworks Green™ products are compliant with all applicable legislation and are halogen-free. For additional information, refer to Skyworks *Definition of Green*™, document number SQ04-0074.

Description

The SKYA22002 SkyBlue™ Power Amplifier Module (PAM) supports 3G/4G. 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 SKYA22002 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.

Ordering Information

Part Number	Part Description	Evaluation Board Part Number
SKYA22002	SkyBlue™ Front-End Module	SKYA22002EK1

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