

PRODUCT SUMMARY

SKYA22001 SkyBlue™ Power Amplifier Module for Automotive Applications – LTE Bands 11, 21

Applications

- Multiband automotive telematics module
- TDD LTE- and FDD LTE-modulated automotive telematics module for bands 11, 21

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 SKYA22001 SkyBlue™ Power Amplifier Module (PAM) supports 3G/4G automotive telematics module. The RF I/O ports internally matched to 50 ohms minimize the need for external components and the extremely low leakage current maximizes handset standby time.

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

LTE: The SKYA22001 meets spectral linearity requirements of LTE modulation with QPSK/16QAM up to 15 MHz bandwidth, including various resource block allocations, with good power-added efficiency.

Ordering Information

Part Number	Part Description	Evaluation Board Part Number
SKYA22001	SkyBlue™ Front-End Module	SKYA22001EK1

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