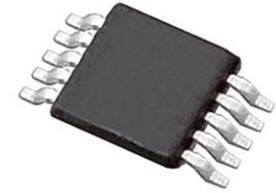


RF Transmitter ASK/FSK 2.5V/3.3V Automotive 16-Pin TSSOP T/R



Images are for reference only

Manufacturer: [Infineon Technologies Corporation](#)

Package/Case: MSOP10

Product Type: Communication & Networking ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: LTB

[Inquiry](#)

General Description

The TDK511xF series is a family of high power ASK/FSK transmitters for the frequency bands 311 – 317 MHz, 433 – 435 MHz and 868 – 870 MHz. The IC offers a high level of integration and needs only a few external components. The device contains a fully integrated PLL synthesizer and a high efficiency power amplifier to drive a loop antenna. A special circuit design and a unique power amplifier design are used to save current consumption and therefore to save battery life. Additional features like power down mode and divided clock output are implemented. The IC can be used for both ASK and FSK modulation.

Key Features

Frequency range 311 – 317 MHz/433 – 435 MHz/868 – 870 MHz

ASK and FSK modulation

High efficiency power amplifier typically 10 dBm @ 3 V

Fully integrated frequency synthesizer

VCO without external components

Fully integrated frequency synthesizer

Power down mode

Divided clock output for μC

Low external component count

Integrated FSK-switch

Low supply current typ. 14 mA @ 3 V

Voltage supply range 2.1 – 4 V

Temperature range -40 ... +125°C

Application

Remote Keyless Entry (RKE) systems

Tire Pressure Monitoring (TPM) systems

Remote control systems

Alarm systems

Communication systems

Recommended For You

TDA7200

Infineon Technologies Corporation
TSSOP28

TDK5101F

Infineon Technologies Corporation
MSOP10

TDK5100F

Infineon Technologies Corporation
MSOP10

TDA5211XUMA1

Infineon Technologies Corporation
TSSOP28

TDA7100HTMA1

Infineon Technologies Corporation
TSSOP-10

TDA5225XUMA1

Infineon Technologies Corporation
PG-TSSOP-28

TDA5240XUMA1

Infineon Technologies Corporation
TSSOP28

TDA6190T GEG

Infineon Technologies Corporation
SOP16

TDA6192V

Infineon Technologies Corporation
VQFN

TDA5235XUMA1

Infineon Technologies Corporation
TSSOP28

TDA7200XUMA1

Infineon Technologies Corporation
28-TSSOP(0.1734.40mm)

TDA7255VXUMA1

Infineon Technologies Corporation
DFN

TDA5220XUMA1

Infineon Technologies Corporation
PG-TSSOP-28

TDA5201XUMA1

Infineon Technologies Corporation
TSSOP28

TDK5100FHMA1

Infineon Technologies Corporation
MSOP