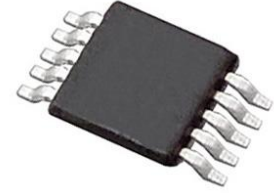


**RF Transmitter ASK/FSK 2.5V/3.3V Automotive 10-Pin TSSOP
T/R**

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 TDK5101F family is a group of single chip 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 an unique power amplifier design are used to save current consumption and therefore to save battery life. Additional features like power down mode, low power detect, selectable crystal oscillator frequency and divided clock output are implemented. The IC can be used for both ASK and FSK modulation.

Key Features

Frequency ranges : 311 – 317 MHz/433 – 435 MHz/868 – 870 MHz

ASK and FSK modulation

Fully integrated frequency synthesizer

VCO without external components

Power down mode

Integrated FSK-switch

Low external component count

Low supply current (typ. 7 mA)

Voltage supply range 2.1 – 4 V

Temperature range -40 ... +125°C

Low voltage sensor

Programmable clock-output

Switchable frequency ranges :433 – 435 MHz/868 – 870 MHz

Selectable crystal oscillator 6.78 MHz/13.56 MHz

High efficiency power amplifier (typ. 5 dBm@434 MHz/2 dBm@868 MHz)

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

TDK5110F

Infineon Technologies Corporation
MSOP10

TDK5100F

Infineon Technologies Corporation
MSOP10

TDA5211XUMA1

Infineon Technologies Corporation
TSSOP28

TDA7100HUMA1

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

TDK5100FH1MA1

Infineon Technologies Corporation

MSOP