

TDLNA0840SEP

0.3 – 4 GHz UHF Wideband Ultra Low Power LNA

Product Overview

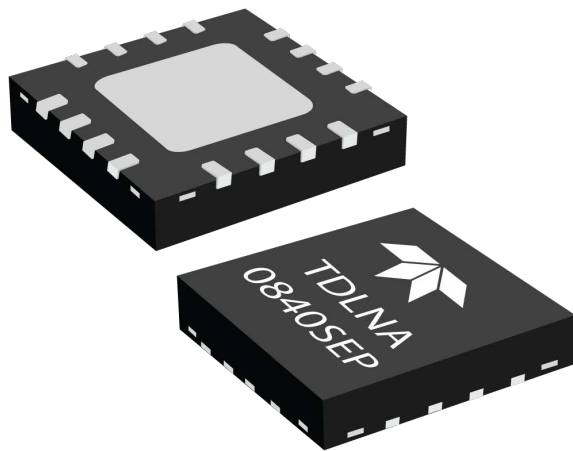
The TDLNA0840SEP is a UHF wideband low power LNA MMIC. The MMIC provides a nominal gain of 29 dB and a NF of 1.5 dB across the operating frequency range, with a power consumption of 25 mW. The RF ports are dc blocked, and matched to 50 ohms nominal. The TDLNA0840SEP will be available packaged in a 3 x 3 mm, 16-pin, plastic QFN.

Typical application environments include terrestrial military, avionics, and space applications. Typical use being in phased antenna arrays for communication systems.

Features

- Frequency range: 0.3 GHz to 4 GHz
- Power consumption: 25 mW
- Gain: 29 dB
- NF: 1.5 dB
- Die dimensions: 1.8 x 1.8 mm
- 3 x 3 mm plastic QFN
- Radiation Performance: 100 krad (Si)

Package Top side/Bottom side^{1/}



1/ Preliminary Drawing

Suggested Application Circuit

