

NFW330F

RF Harvester

1. Device Features

- Adjustable frequency range (900 MHz - 6 GHz)
- Input power from -20 dBm to 20 dBm
- Harvests from modulated signals

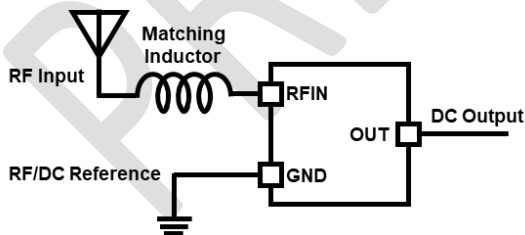
2. Device Applications

- Device charging
- Wireless sensors
- Device tracking

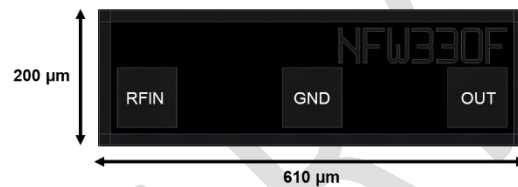
3. Device Description

The NFW330F is an RF to DC converter designed to wirelessly power electronics over several meters. The harvester generates DC power with RF inputs from -20 dBm to 20dBm with a single external inductor, which sets the RF operating frequency. The NFW330F is optimized for sensitivity and power efficiency. The external inductor creates an impedance match with the otherwise capacitive input, aiding power transfer.

4. Simplified Application Diagram



5. Device Pin Out (Top View)



6. Simulation Data

