

NFW330A

RF Harvester

1. Device Features

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

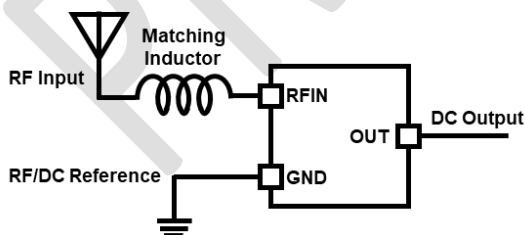
2. Device Applications

- Device charging
- Wireless sensors
- Device tracking

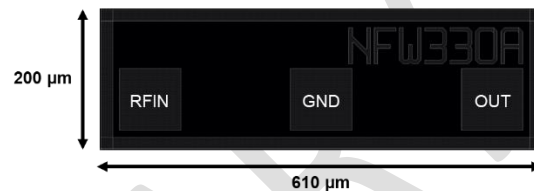
3. Device Description

The NFW330A 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 NFW330A is optimized for sensitivity to increase power received at long distances (>3m). 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

