

NFW330C

RF Harvester

1. Device Features

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

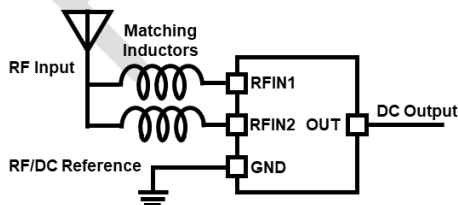
2. Device Applications

- Device charging
- Wireless sensors
- Device tracking

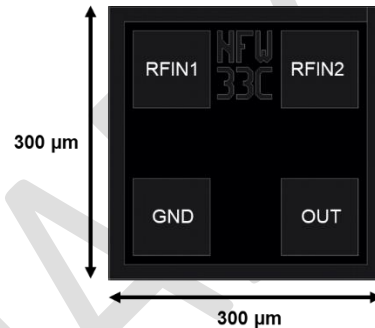
3. Device Description

The NFW330C 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 two external inductors or a single external inductor. The NFW330C achieves optimum performance with two equal value external inductors, which set the RF operating frequency. The NFW330C achieves high sensitivity and high efficiency with combination of the two RF inputs. The device operates with reduced performance with the inputs connected and a single RF matching inductor.

4. Simplified Application Diagram



5. Device Pin Out (Top View)



6. Simulation Data

