



Operation Description

NJR4175 is an XBand transceiver module which is designed for motion sensing applications, and which utilizes the doppler phenomenon.

The basic principle of operation consists of detecting the frequency shift between a transmitted and received signal reflected back from a moving object within the field of view of the unit.

This module consists of DRO(Dielectric Resonator Oscillator), balanced Schotkey Barrier Diode mixer and Micro-strip Patch Antenna.

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