

W Band Harmonic Receivers



Model SCD-94016000-01 is a 94 GHz Harmonic Receiver which comprises a 23 dBi standard gain horn, a 30 dB gain low noise amplifier and a 6th harmonic mixer. The receiver features 9 degree 3 dB beamwidth, 6 dB noise figure and 0-dB conversion gain. The receiver operates at +8 Vdc and typically draws 80-mA current and requires +7 dBm local oscillator (LO) power at 15.7 GHz. The harmonic operation makes the system implementation very attractive since the LO frequency required is at 1/6 of the RF frequency which helps to reduce the system cost dramatically. The receiver weighs 8 Oz and measures 5.8" (L) x 1.0" (W) and 1.75" (H).

WiseWave Technologies, Inc.

3043 Kashiwa Street
Torrance, CA 90505
(310)-539-8882; (310)-539-8862 (Fax)
www.wisewave-inc.com