



the
system
integrator



ComInt Systems and Solutions Pvt Ltd (CSSPL) is leading System Integration & Engineering company with excellent R&D, Manufacturing facilities with committed team of qualified and experienced technical work force for indigenous design, development and manufacturing of products from concept to completion in the areas of Defence Electronics & Communication.

Microwave Receiver (0.9 - 26.5 GHz)

CSSPL Microwave Receiver is designed to operate in wide range of environments and platform applications, including laboratory, road vehicle, field-portable, surface ships, submarines, and airborne systems

FEATURES

- No. of RF Channels : 1,2 or 8 RF channels
- RF Input Frequency : 400 MHz – 26.5 GHz
- Max RF Input Level : +24 dBm
- Bandwidth up to 2 GHz
- Main IF output : 1 GHz
- Demodulation : FM , Log AM , AM , SSB
- SwaP-C optimised



SPECIFICATIONS

- Frequency : 400 MHz to 26.5 GHz
- IF Output : Analog IF at 2 GHz
- IF Instantaneous BW : 1 GHz
- In-to-out gain : 25 ± 2 dB
- VSWR : 1.8:1 max
- Attenuation capability : 0 to 60 dB in 1 dB steps
- Max input level : +20 dBm No damage
- Spur level : Less than -110 dBm
- Noise Figure : 14 dB max
- IF Rejection : Better than 70 dB
- Image Rejection : Better than 70 dB
- VSWR : Better than 2:1 (any RF Port)
- Tuning speed : 100µSec , typically 450µSec max
- 10 MHz Reference : 10 MHz \pm 1PPM
- Input supply : 12 VDC
- Connectivity : Ethernet & RS422
- FFT Display : Real time FFT & Waterfall Display

