

- Powerful incoherent source
- 1 Watt typical output power
- High stability
- 5GHz white noise spectrum
- No high voltage supply required
- Compact solid state source

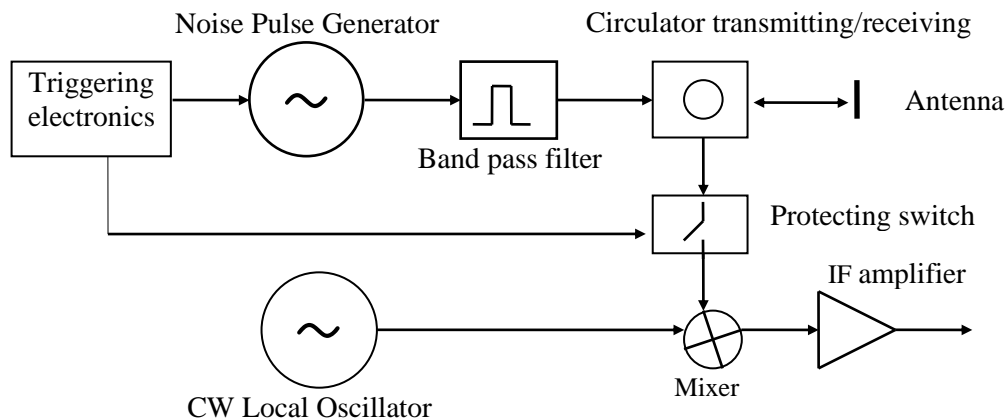
Applications

- Ground control in airports and other facilities
- Avoid collision systems
- Precise distance measurement in dusty and/or humid atmosphere
- Level sensing for any materials and liquids in huge tanks with foam/vapour
- Robotic sensors

Description

High power pulse noise source PNS series is used for the illumination of target. Noise nature of probing signal avoids the problem of interference. Image obtained by means of noise radar allows to recognize target better than the image obtained by means of coherent radar.

Block Diagram front end module.



Specifications

Frequency range, GHz	Bandwidth of launched radiation, GHz	Pulse duration, ns	Duty factor	On/Off ratio of the receiver protecting switch, dB	Power of output pulse, mW	ENR Flatness within launched bandwidth, dB	Receiver noise factor, dB
80÷100	5.0	50-100	>100	30	500	±1.5	7-9