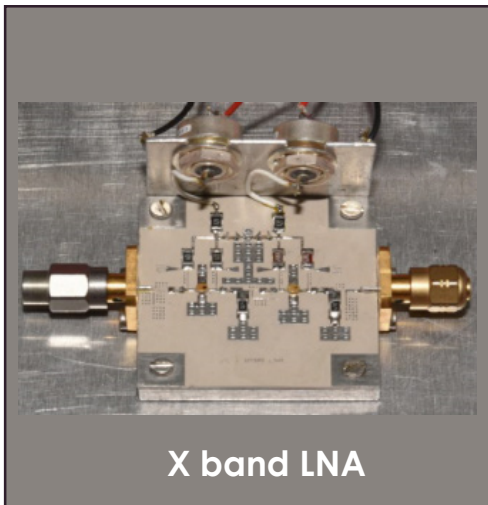


X-Band Low Noise Amplifier

U R Rao Satellite Centre (URSC) of Indian Space Research Organisation (ISRO) has developed a X-Band Low Noise as LNA module in RF Front end of X-Band TTC Receiver for Space Science Missions



Salient Features

- ✦ Design consists of two active stages with a NF 1.9 dB & Gain of 26.3 dB.
- ✦ Uses a single polarity supply thus reducing additional hardware requirement for delay circuit.

Major Specifications

Parameter	Specifications	Measured
Frequency Band	7200±50 MHz	7200±50 MHz
Noise Figure	≤2±0.5 dB	1.9 dB
Return Losses	≤-10 dB	-10 dB
Gain	≥ 25 dB	26.3 dB
DC Supply	5V, 25 mA	2V,25 mA

Technology Transfer

URSC/ISRO offers to transfer this technology of X-Band low noise amplifier to industries in India with adequate experience and facilities. Industries interested in obtaining knowhow may write giving details of their present activities, infrastructure and facilities.

Technology Transfer & Industry Coordination Division (TTID),
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