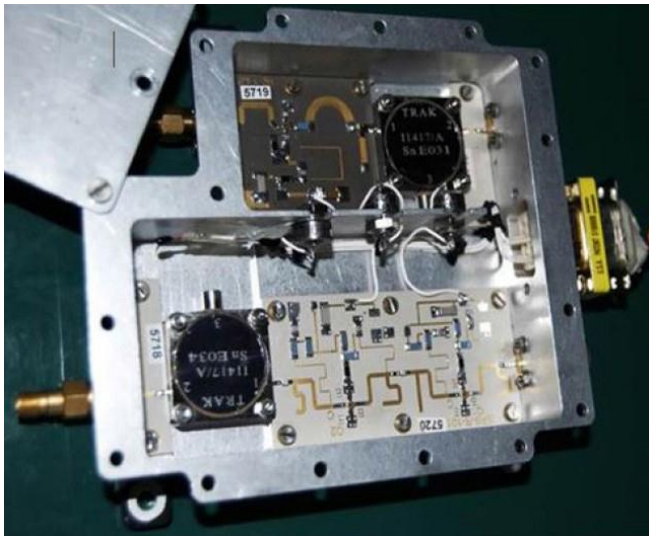


Low Noise Amplifiers (LNAs) And RF Amplifiers for GNSS & VHF Bands



GNSS LNA & RF Amplifier



GNSS LNA & RF Amplifier

U R Rao Satellite Centre (URSC) of Indian Space Research Organisation (ISRO) has developed Low Noise Amplifiers and RF Amplifiers for GNSS & VHF bands application.

Specifications:

- Low Noise Amplifier (LNAs):
 - GNSS LNAs realized in L1 & L5 bands based on hetero-junction & bi-polar transistor-based designs offering excellent noise figure to amplify very weak signals.
 - VHF band LNAs support low noise amplification needs for receivers for automatic identification of ships.
- RF Amplifiers:
 - Low-power designs based on hetero junction & bi-polar transistors.
 - Developed for use in GNSS bands of L1 & L5 as well as VHF bands.

Major Specifications

Low noise Amplifiers	
Frequency bands	VHF (155-165MHz) GNSS L1 & L5
Gain	>20dB
Noise Figure	Better than 1db
RF Interface	SMA
Operating Voltage	5V

RF Amplifiers	
Frequency bands	VHF (155-165MHz) GNSS L1 & L5
Gain	>30dB
RF Interface	SMA
Operating Voltage	5V

Technology Transfer from ISRO

ISRO is willing to offer the knowhow of this technology to suitable entrepreneurs / industries in India. Capable manufacturing industries interested in acquiring this knowhow may write with details of their present activities, requirements and plans for implementation, infrastructure and technical expertise available with them, their own market assessment, if any, and plans for diversification to the address given below: