

## Ku-BAND MMIC LOW NOISE AMPLIFIER

U R Rao Satellite Centre (URSC) of Indian Space Research Organisation (ISRO) has developed a Low Noise Amplifier (LNA) for Ku-Band applications. It is an amplifier with low noise used at the input of RF receiver to provide minimum noise figure to the system which is one of the important parameters in deciding RF receiver sensitivity.



**Ku- Band LNA**

### Salient Features

- ❖ Single polarity positive supply
- ❖ Low current
- ❖ High gain
- ❖ Low noise figure

### Major Specifications

Parameter	Typical	Units
Frequency Range	12.75 -15	GHz
Gain	25 dB	dB
Noise Figure	2.5	dB
Input Return Loss	8	dB
Output Return Loss	15	dB
Output P1 dB	8	dBm
Supply Current	20	mA
Supply voltage	3.0	V

## Technology Transfer

URSC-ISRO offers to transfer technology of Ku-BAND LNA to industries in India with adequate experience and facilities. Industries interested in obtaining know how and further details regarding the Ku-BAND LNA may write giving details of their present activities, infrastructure and facilities.

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