



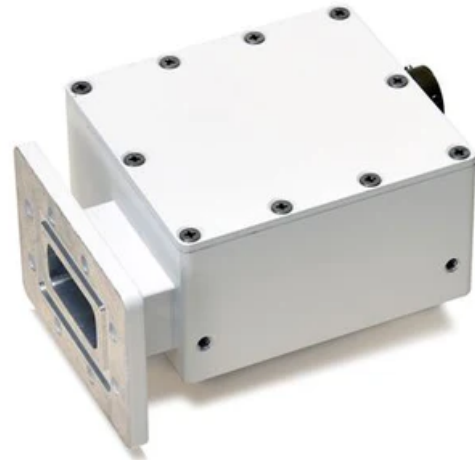
## LNAX20NP

### Single-Band X-Band LNA

**Band & Gain:** 7.25 - 7.75 GHz & 55 dB typ.

**Output Connector:** N - 50 Ohm

**Power Connector:** MS3112E10-6P



### KEY SPECIFICATIONS

|                               |                 |
|-------------------------------|-----------------|
| <b>Band</b>                   | X-Band          |
| <b>Input Frequency Band 1</b> | 7.25 - 7.75 GHz |
| <b>Noise Figure</b>           | 0.8 dB          |
| <b>Required Current</b>       | 250 mA          |

### RF SPECIFICATIONS

|                                     |                                    |
|-------------------------------------|------------------------------------|
| <b>Conversion Gain</b>              | 50 dB min., 55 dB typ., 60 dB max. |
| <b>Gain Flatness</b>                | 4 dB p-p                           |
| <b>Gain Ripple (At Per 36 M Hz)</b> | 1 dB p-p                           |
| <b>Input V S W R</b>                | 2.2 : 1                            |
| <b>Output P1D B</b>                 | + 5 dBm                            |
| <b>Output V S W R</b>               | 2.2 : 1                            |

### ELECTRICAL SPECIFICATIONS

|                        |              |
|------------------------|--------------|
| <b>Power Connector</b> | MS3112E10-6P |
| <b>Power Supply</b>    | 12-24 VDC    |

### INTERFACE SPECIFICATIONS

|                          |        |
|--------------------------|--------|
| <b>Input W/ G Flange</b> | WR 112 |
|--------------------------|--------|

### ENVIRONMENTAL SPECIFICATIONS





|                         |              |
|-------------------------|--------------|
| Temperature Operational | -40 to +60°C |
| Waterproofing           | IP 67        |
| Weight                  | 620 g        |

## PHYSICAL SPECIFICATIONS

|                        |                        |
|------------------------|------------------------|
| Dimensions ( Lx Wx H ) | 59.0 x 70.0 x 118.0 mm |
|------------------------|------------------------|

## LOGISTICS SPECIFICATIONS

| HS Code    | Country of Origin | ECCN Number | Shipping Package         |
|------------|-------------------|-------------|--------------------------|
| 8517690000 | Made in Korea     | EAR99       | 145 x 95 x 65 mm   645 g |

## MECHANICAL DIAGRAMS

