



# LNAKA10SP

## Single-Band Ka-Band LNA

**Band:** 17.2 - 18.2 GHz

**Output Connector:** SMA

**Power Connector:** MS3112E10-6P



### KEY SPECIFICATIONS

<b>Band</b>	Ka-Band
<b>Noise Figure</b>	1.5 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 Frequency</b>	Ka-Band: 17.2 - 18.2 GHz
<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 42
<b>R F Output Connector</b>	SMA





## ENVIRONMENTAL SPECIFICATIONS

Temperature Operational	-40 to +60°C
Waterproofing	IP 67
Weight	450 g

## PHYSICAL SPECIFICATIONS

Dimensions ( Lx Wx H)	60.0 x 45.0 x 103.6 mm
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## LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	ECCN Number	Shipping Package
8517690000	Made in Korea	EAR99	145 x 95 x 65 mm   475 g

## MECHANICAL DIAGRAMS

