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SATCOM RECEIVER

LNA

S-band LNA
LA2070N-5015-N

TYPICAL SPECIFICATIONS

Noise temperature	70K (Noise figure: 0.95dB) @+23°C
Input VSWR	2.2 : 1
Output VSWR	1.8 : 1
Output P1dB	+15dBm min
OIP3	+25dBm min
Max RF input level	-20dBm min
Gain	50±3dB
Gain flatness	0.6dBp-p in any 40MHz 2.5dBp-p over full band
Gain slope	0.3dB/10MHz max
Gain stability	
Constant temperature	±0.5dB/24hrs
Over temperature range	±2.0dB (0 to +50 °C)
DC voltage	+10 to +24V / 300mA
Input interface	N-male/female
Output interface	N-male/female
Dimension	106.0(L) x 51.0(W) x 21.5(H) mm
Weight	300 g
Operating temperature	0 to +50 °C
Ingress protection	IP66

FREQUENCY BANDS AVAILABLE

Sub-band	B-band	C-band
Frequency (MHz)	2200 ~ 2700	2000 ~ 2600

HOW TO ORDER S-BAND LNA

LA2070CNM-5015-NM

- Input interface ····· **NM**: N-male, **NF**: N-female
- Output power ····· **15**: +15dBm
- Gain ····· **50**: 50dB
- Output interface ····· **NM**: N-male, **NF**: N-female
- Frequency band ····· **B**: 2200 - 2700 MHz
C: 2000 - 2600 MHz
- Noise temperature ····· **70**: 70K
- Product ····· **LA20**: S-band LNA series

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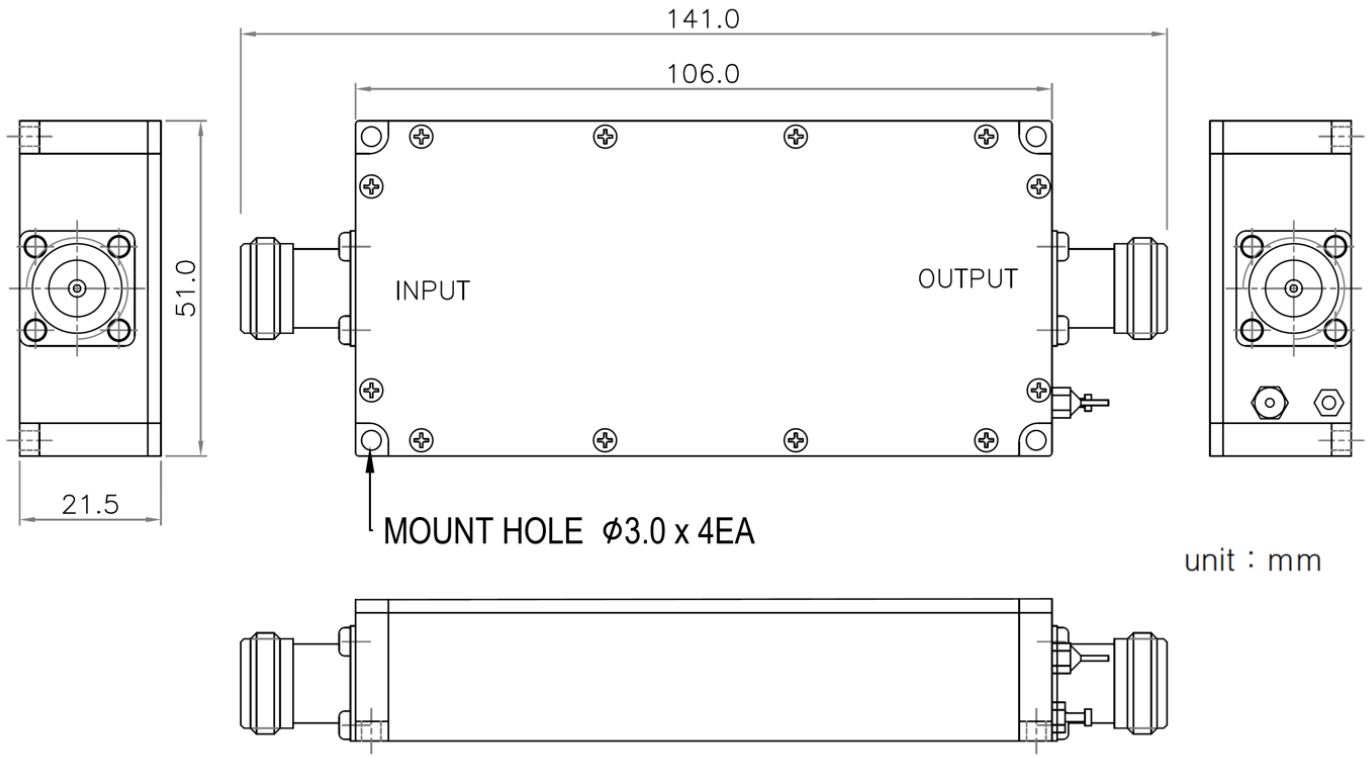
OUTLINE DRAWING