

40W Ku-band BUC

SCMBU15001NW5E (Rev.01)



Features

- ◆ Build-in Redundancy Control
- ◆ Light Weight
- ◆ Low Power Consumption
- ◆ Monitoring & Controlling Via RS232/RS485 Interface
- ◆ Monitoring & Controlling Via Ethernet (Optional)
- ◆ Build-in 10MHz Reference (Optional)

RF Specifications

Frequency Range

	RF (GHz)	IF (MHz)	LO (GHz)
Std Ku	14-14.5	950-1450	13.05
Ext Ku	13.75-14.5	950-1750	12.8

Output Power

P1dB 40W (46dBm)

Inter Modulation

-25dBc

(Two tones test at combined power of 43dBm)

Conversion Gain

72 dB nominal

Gain Flatness

Over full band: ± 2 dB maximum

Over 36MHz: ± 0.5 dB maximum

Gain Stability over Temperature

± 2 dB maximum

Phase Noise

100 Hz	-65 dBc/Hz Max
1 KHz	-75 dBc/Hz Max
10 KHz	-85 dBc/Hz Max
100 KHz	-95 dBc/Hz Max

Spurious

-60dBc Max

IF Input Interface

N-type Female

RF Output Interface

WR-75G

Input VSWR

1.5:1 maximum

Output VSWR

1.5:1 maximum

Receive band noise

-162dBm/Hz

10MHz Reference

External Reference Level

-5 to +5 dBm

Internal 10MHz reference

Optional

Monitoring and Controlling

Interface

RS232/485

Ethernet Optional

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Gain Control

20dB range in 0.1dB step size

Build-in Redundancy Control

Optional

Power Supply

Operating voltage

48VDC

Power consumption

340W maximum at 46dBm output

Environmental Conditions

Operating temperature

-40°C to +55°C

Relative Humidity

Up to 100%

Mechanical

Dimensions

198L × 120W × 103H mm

Weight

3.5 Kg

Color

White powder coat

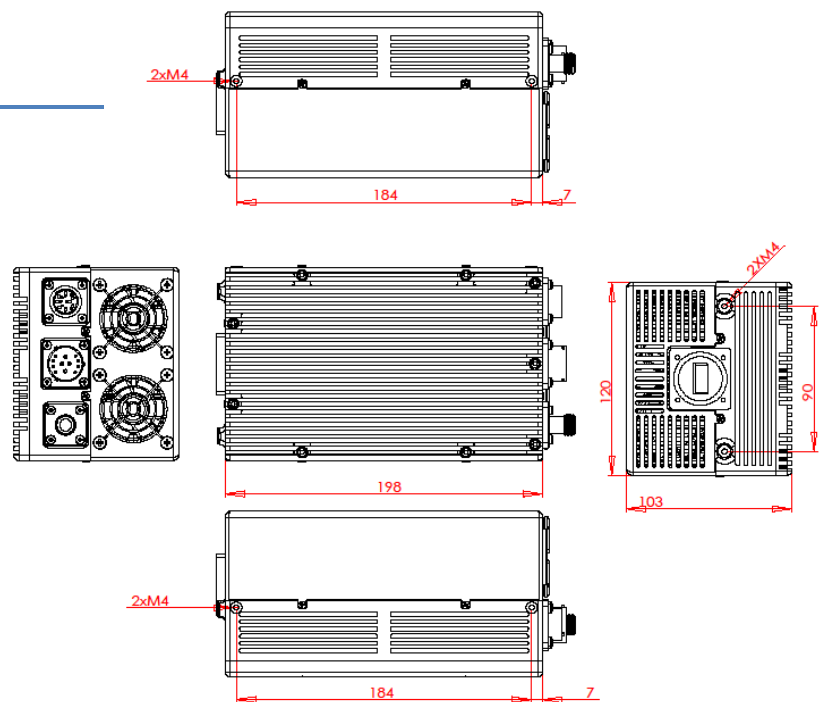
Order information:

Std-Ku: SCMBU15001NW5E-01

Ext-Ku: SCMBU15001NW5E-02



Mechanical Drawing



Dimensions in mm



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