

# Specification

## 1. Item

Product	1800MHz Amplifier
Partnumber	EHM-1805-48-40

## 2. Revision History

Issued / Revision	R&D Approved	Revision Detail
2019-08-06	YHL	Draft
2021-02-08( <b>REV.01</b> )	YHL	Dimension is changed from 104 x 83 x 37 to <b>120 x 100 x 37 mm</b> Supply Current spec is changed from 5.5A to <b>7.0A max.</b>

ECHO RF SOLUTION

Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EHM-1805-48-40
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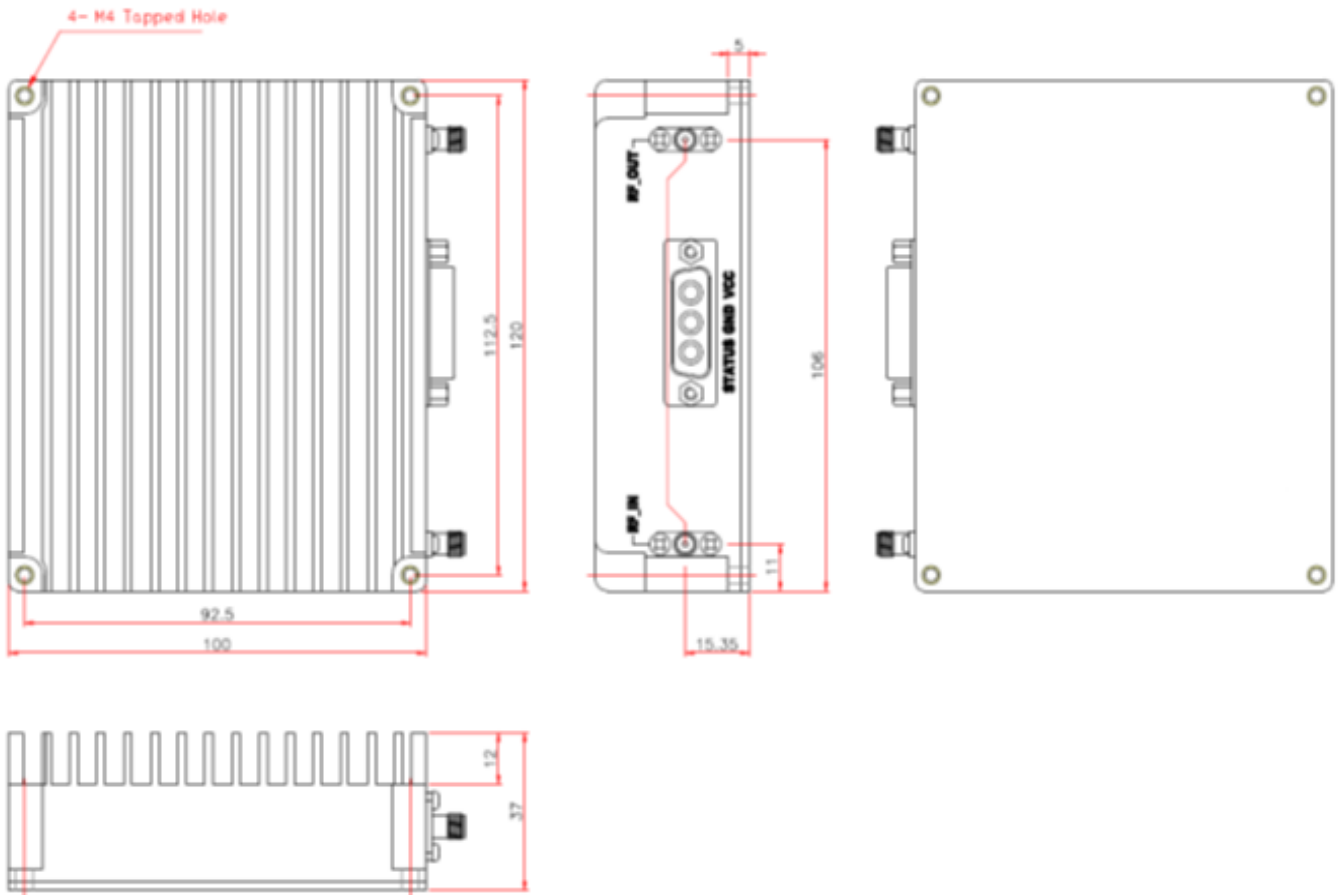
### General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	1805~1880 MHz	-
2	Operating Bandwidth	75 MHz	-
3	Output Power Level	+48 dBm	-
4	Gain	40 dB ±1dB	-
5	Gain Flatness	1.5 dB ( peak to peak )	-
6	Input / Output VSWR	1.5 :1 max.	-
7	Harmonics @ Pout: +48dBm	30 dBc min.	-
8	Power Efficiency @ Pout: +48dBm	32 % min.	-
9	Amplifier Switch	Turn on at input power ≥ -30dBm Turn off at input power ≤ -35dBm	-
10	Amplifier Status	Turn on at High, Turn off at Low	-
11	Operating Voltage	28 V DC	-
12	Supply Current	7.0 A max.	-
13	Operating Temperature	-40 ~ +55°C	-

### Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimension	120*100*37	W * D * H (mm)
2	Connector Type	SMA Female	-
3	Pin Map	1. 28 V DC	3W3 Male
		2. Ground	
		3. Amplifier Status	
4	Mounting Type	with 4 holes	-
5	Heat Dissipation	Natural Convection	-

■ Mechanical Dimension [Unit: mm]



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