

Specification

1. Item

Product	2100MHz Amplifier
Partnumber	EHM-2110-47-40

2. Revision History

Issued / Revision	R&D Approved	Revision Detail
2019-08-06	YHL	Draft
2021-02-08(REV.01)	YHL	Dimension is changed from 120 x 90 x 37 to 120 x 100 x 37 mm Supply Current spec is changed from 5.1A to 6.5A max.

ECHO RF SOLUTION

Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EHM-2110-47-40
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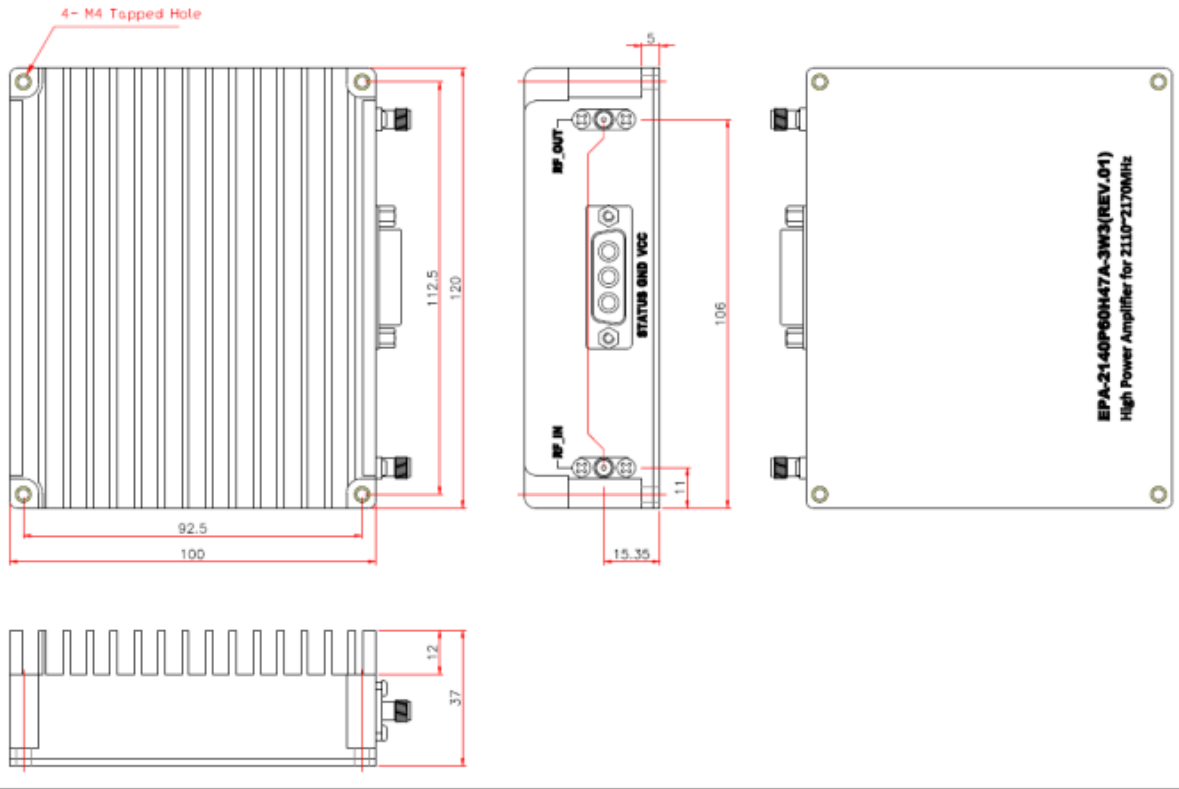
General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	2110~2170 MHz	-
2	Operating Bandwidth	60 MHz	-
3	Output Power Level	+47 dBm min.	-
4	IMD3@ Pout: +44dBm/Two-Tone, Tone Spacing 5MHz	25dBc min.	-
5	Gain	40 dB \pm 1dB	-
6	Gain Flatness	1.5 dB (peak to peak)	-
7	Input / Output VSWR	1.5 :1 max.	-
8	Harmonics @ Pout: +48dBm	30 dBc min.	-
9	Power Efficiency @ Pout: +48dBm	27 % min.	-
10	Amplifier Switch	Turn on at input power \geq -30dBm Turn off at input power \leq -35dBm	-
11	Amplifier Status	Turn on at High, Turn off at Low	-
12	Operating Voltage	28 V DC	-
13	Supply Current	6.5A max.	-
14	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]



SOLUTION