

# Specification

## 1. Item

Product	1800MHz Amplifier (40W)
Partnumber	EHM-1805-46-50

## 2. Revision History

Issued / Revision	R&D Approved	Revision Detail
2016-11-14	YHL	Draft



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EHM-1805-46-50
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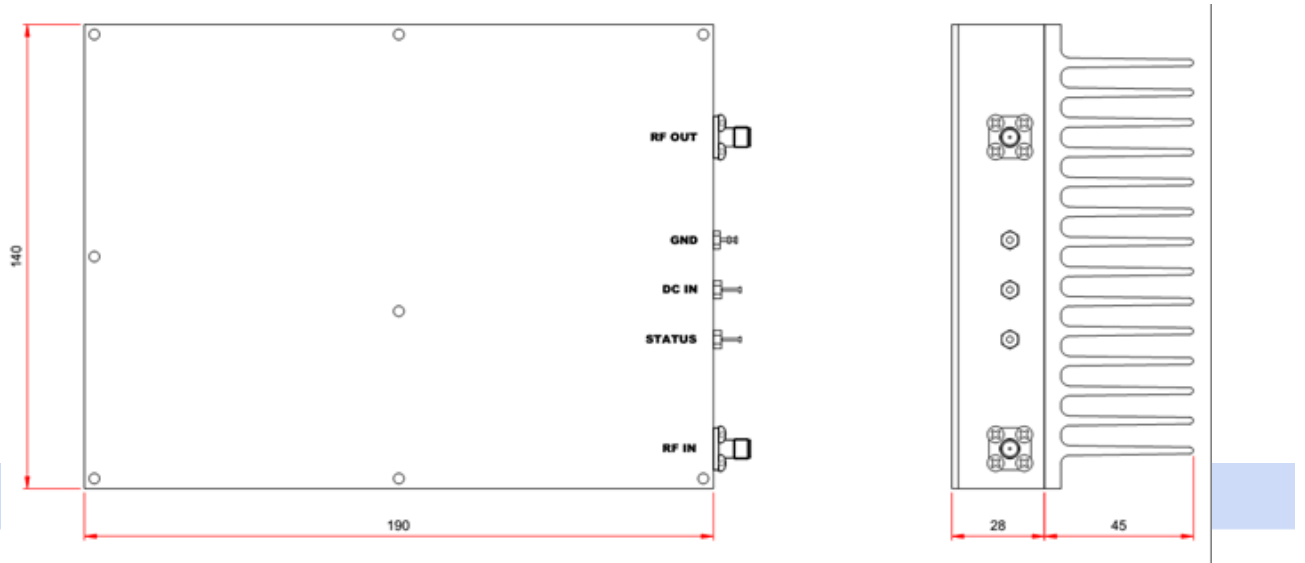
## General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	1805 ~ 1880 MHz	-
2	Operating Bandwidth	75 MHz	-
3	Carrier Modulation	LTE 10MHz	PAR=8.5dB@CCDF 0.01%
4	Output Power	46dBm	-
5	Gain	50±0.75dB	-
6	Gain Flatness	1.5 dB ( peak to peak )	-
7	ACL R LTE 1FA	<-45dBc@ ±7.5MHz <-50dBc@ ±12.5MHz	-
8	Spec trum Emis sion Mask LTE 1FA	PER 3GPP TS-36.143	-
9	Input / Output VSWR	1.5 :1 max.	-
10	2nd Harmonics	45dBc min.	-
11	Power Efficiency @ Pout: +46dBm	20% min.	-
12	Amplifier Switch	Turn on at input power ≥-15dBm Turn off at input power ≤-19dBm	-
13	Amplifier Status	Turn on at High, Turn off at Low	-
14	Operating Voltage	+30VDC	-
15	Supply Current	6.0A typ.(6.5A max.)	-
16	Operating Temperature	-30 ~ +60°C	-

## Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimension	190*140*73	W * D * H (mm)
2	Connector Type	SMA Female	-
3	Pin Map	1. 30VDC 2. Ground 3. Amplifier Status	Feed-Thru -
4	Mounting Type	with 8 holes	-
5	Heat Dissipation	External Heat sink	-

■ Mechanical Dimension [Unit: mm]



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