

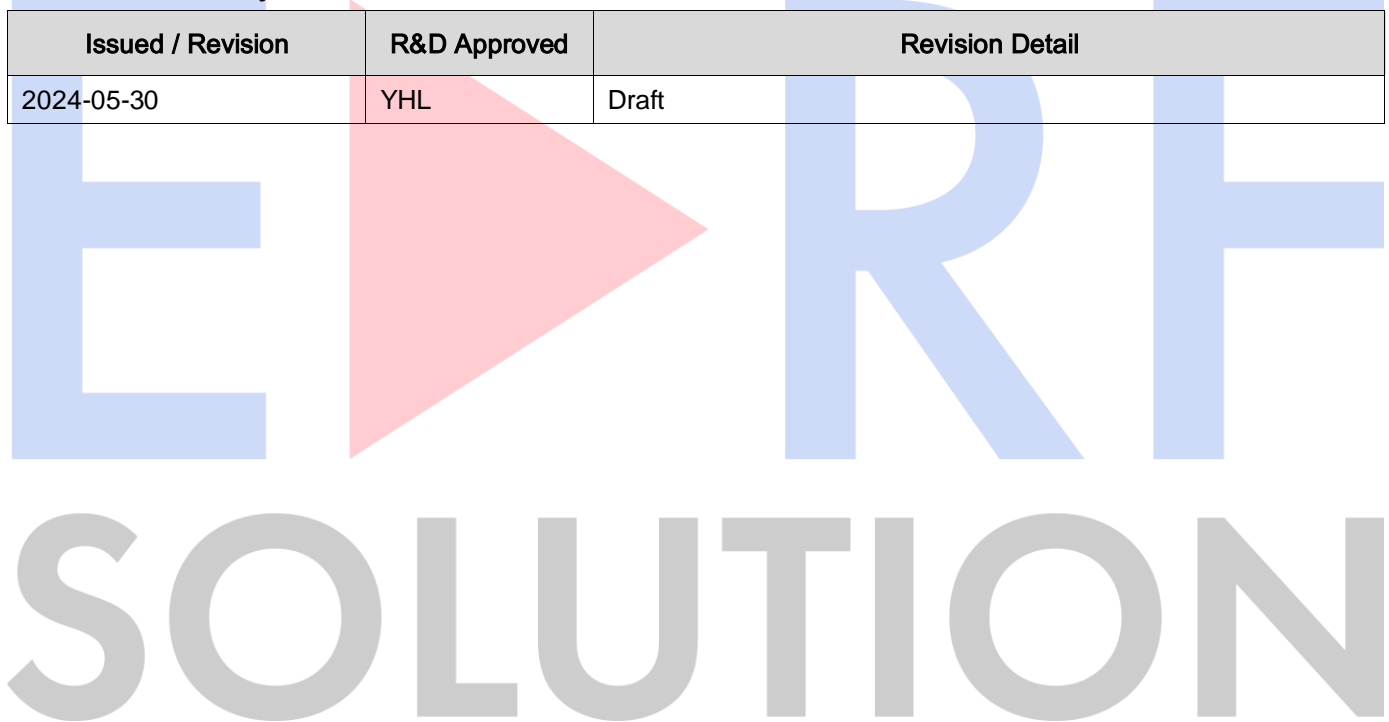
# Specification

## 1. Item

Product	3300~3800MHz Amplifier (20W)
Partnumber	EHM-3300-43-46

## 2. Revision History

Issued / Revision	R&D Approved	Revision Detail
2024-05-30	YHL	Draft



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EHM-3300-43-46
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### General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	3300 ~ 3800 MHz	-
2	Instantaneous Bandwidth	100MHz max	-
3	Signal Modulation	5G NR DL Signal 100MHz	-
4	RF Port Return Loss	14dB min	-
5	TDD Switching Time	5us typ.(10uS max.)	-
6	Output Power(Pavg)	20W(+43dBm) min	-
7	Gain	46dB typ.	-
8	Gain Flatness	± 1.0dB typ.( ± 1.5dB max.)	-
9	ACLR @Pout : 10W	-45dBc min. @ ±100MHz -45dBc min. @ ±200MHz	-
10	Harmonics	-45dBc min	-
11	Spurious Signals	-60dBc min	-
12	Supply Voltage	+50VDC±0.2	-
13	Supply Current	1.9A typ. (2.2A max.)	-
14	Operating Case Temperature	-30°C ~ +80°C	-
15	Relative Humidity	0% ~ 95%	Non-condensing
16	Protection	Thermal Overload (Shutdown +85°C, Auto-restart +75°C)	-

### Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimension	223*118.5*26.5	W * D * H (mm)
2	Connector Type	SMA Female	-
3	Pin Map	1. Forward Power Monitor	3.0V@+43dBm
		2. Reverse Power Monitor	3.0V@+43dBm
		3. Temperature Monitor	(10 mV/°C x Temp) + 500 mV
		4,5. GND	Ground
		6. PA ON(High)	3.3V : TTL/CMOS
		8,9,10. GND	Ground
		11,12,13. VDD	+50VDC
		7,14,15	NC
4	Heat Dissipation	External Heat sink	-

