

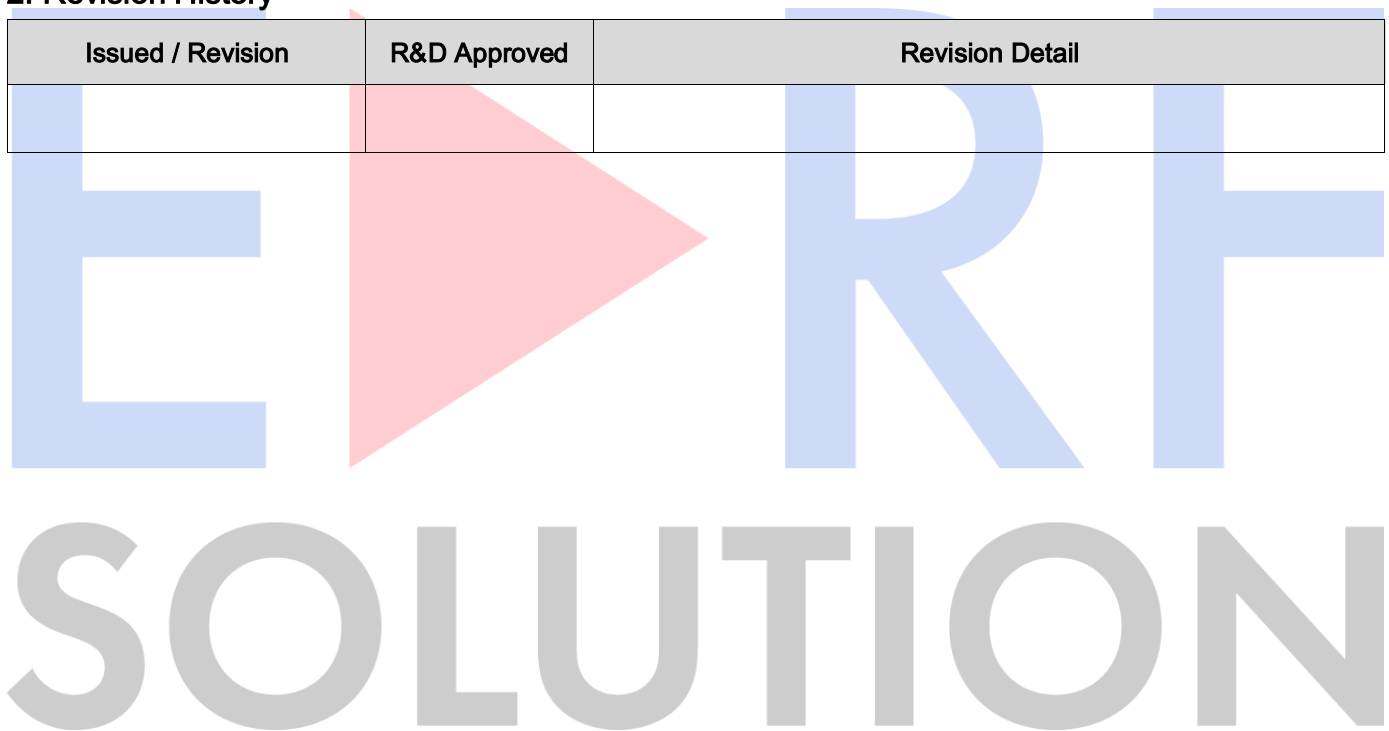
# Specification

## 1. Item

Product	GSM 1805~1885MHz HPA
Partnumber	EHM-1805-44-50

## 2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EHM-1805-44-50
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## General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	1805MHz ~1885MHz	-
2	Operating Bandwidth	80 MHz	-
3	Output Power Level	44.5dBm	28Watt
4	IMD	<-50dBc @ CW 2 Tone	28Watt
5	Gain	50dB ± 1.0dB	-
6	Gain Flatness	± 1.0dB	-
7	Gain Variation with Temperature	± 1.0dB Max	-
8	Input / Output VSWR	1.5 :1 (max.)	@With in Isolator
9	Harmonic	-45dBc Typ	-
10	Spurious Signals	-70dBc min	-
11	Supply Voltage	DC +28V±1VDC	Volt
12	Supply Current	10A max	28Watt
13	Operating Temperature	-20°C ~ +60°C	-
14	Relative Humidity	0% ~ 95%	Non-condensing

# SOLUTION

## Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimension	170*205*28	W * D * H (mm)
2	Connector Type	Input: SMA(F) / Output: N(F)	-
3	DC Conn ecotr D-sub 3W3 Male	A1 : VCC(+28VDC)	-
		A2 : GND	
		A3 : N/C	
4	Pin Map (D-sub 9pin Male )	1. Over Power Alarm	Shut Down : TTL"high"@FWD Po : ≥ +47dBm
		2. Reverse Power Alarm	Shut Down : TTL"high"@FWD Po : ≥ +37dBm
		3. High Temp Alarm	Shut Down : TTL"high"@Temp : ≥85°C
		4. GND	Ground
		5. Enable/Disable	Enable : TTL "Low" or Open / Disable : "high"
		6. Foward Power Monitor	Analog Voltage relative to FWD Power
		7. Reverse Power Monitor	Analog Voltage relative to RVS Power
		8. Temperature Monitor	Analog Voltage relative to Module's Temp
		9. GND	Ground
5	Cooling	External Heat Sink	-

# SOLUTION