

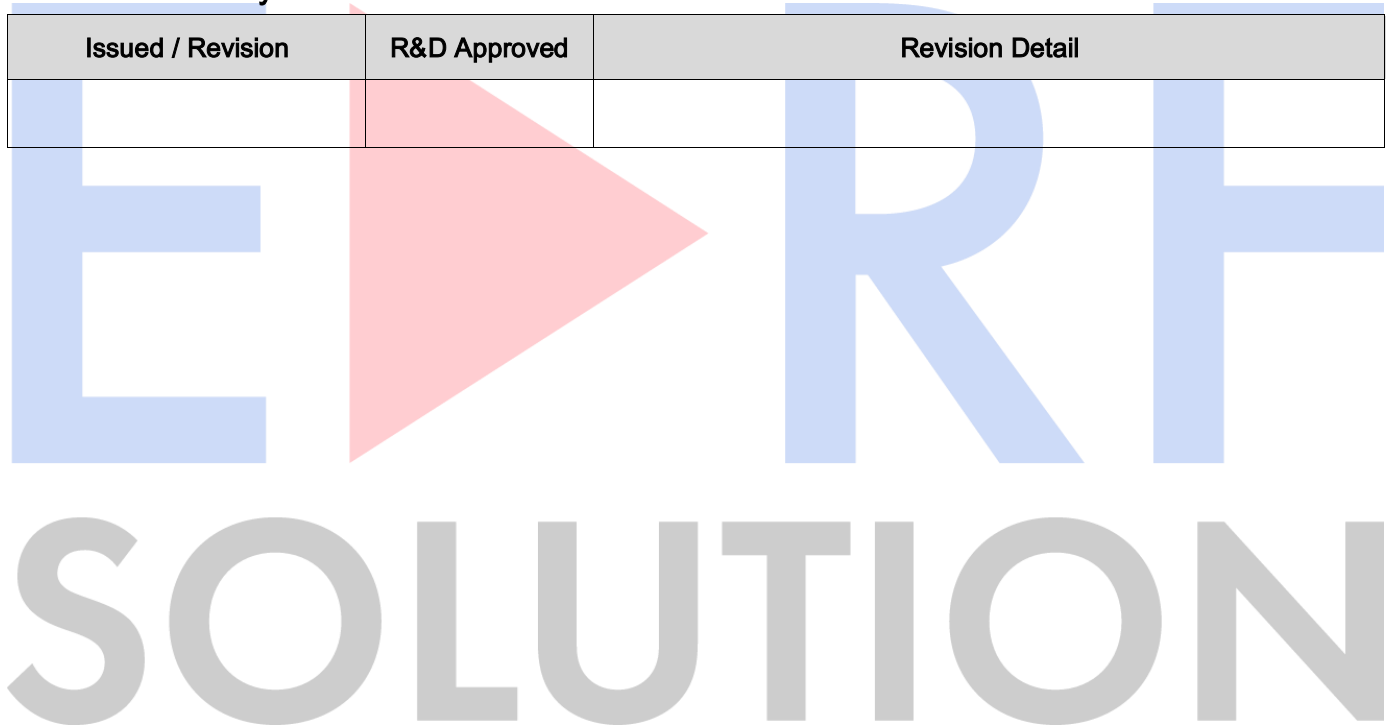
Specification

1. Item

Product	728~757MHz HPA
Partnumber	EHM-0728-49-46

2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EHM-0728-49-46
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General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	728MHz~757MHz	-
2	Output Power(Psat)	80Watt(+49dBm) typ.	-
3	Output Power(P1dB)	50Watt(+47dBm) typ.	-
4	Gain	46dB ± 1dB	-
5	Gain Flatness	± 1.0dB typ.	-
6	Third Order Intercept Point	+57dBm @ 37dBm/tone, 2 tones, 100kHz spacing	-
7	Input Return Loss(S11)	- 14dB typ.	-
8	Noise Figure	7dB typ.	-
9	Harmonics	-20dBc typ.	-
10	Spurious Signals	-70dBc Min.	-
11	Operating Voltage	+28 ±2.0VDC	-
12	Current Consumption	10A max. @ 50W	-
13	Operating Temperature	-20°C ~ +60°C	-
14	Relative Humidity	0 to 95% RH (non-condensing)	-
15	Dimension	163*86*25	mm
16	Weight	800g	-
17	RF Connectors In/out	SMA Female	-
18	DC/Control Connector	D-Sub 9Pin Male	-
19	Cooling	External Heat sink	-

Mechanical Specification

Input Overdrive	+10dBm max.
Load VSWR @ rated output power	∞ @ all load phase & amplitude
Thermal Overload	85 °C Graceful Degradation

Interface Connector D-sub 9Pin

Pin No.	Description	Specification
1	Forward Power Monitor	Analog voltage relative to Forward Power
2	Reverse Power Monitor	Analog voltage relative to Reverse Power
3	Temperature Sense	Analog voltage relative to Module's Temperature
4	NC	
5	Enable/Disable	Amplifier Enable: TTL "Low" (Logic 0) or Open Amplifier Disable: TTL "High" (Logic 1)
6	VDD	+28VDC
7	VDD	+28VDC
8	GND	Ground
9	GND	Ground

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