

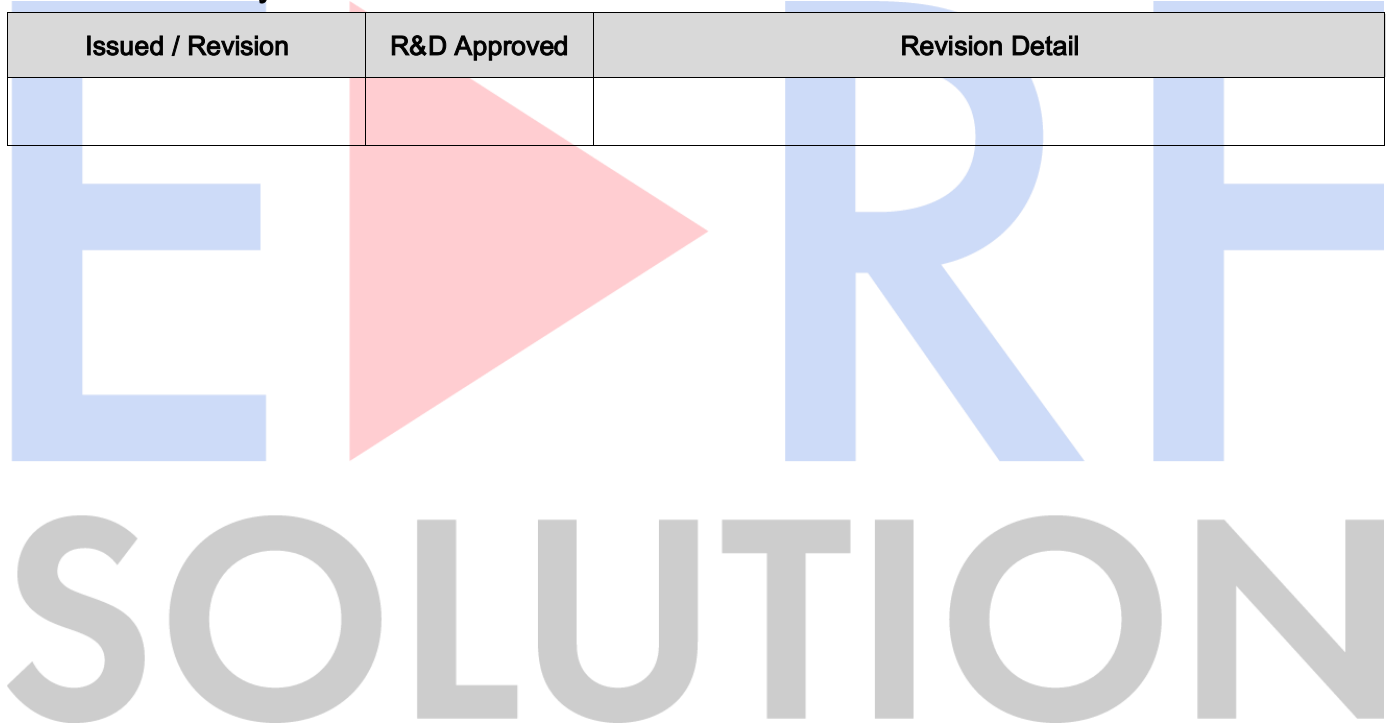
Specification

1. Item

Product	850~1650MHz Broadband Power Amplifier
Partnumber	EBM-0850M1650-50-46

2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EBM-0850M1650-50-46
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General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	850~1650MHz	-
2	Output Power(Psat)	100W	-
3	Gain	56dB typ.	-
4	Gain Flatness	± 2.0dB typ.	-
5	Gain Variation	3dB Max.	-
6	Input VSWR	1.5	-
7	Harmonics	-15dBc	-
8	Spurious Signal	-60dBc	-
9	Operating Voltage	50V	-
10	Current Draw@85W	9A Max.	-
11	Protection	Temp. Shutdown : ≥ +85°C Shutdown, Auto-restart @ +75°C	-
		VSWR Shutdown : ≥ Reverse Power 44dBm(VSWR 3:1)	

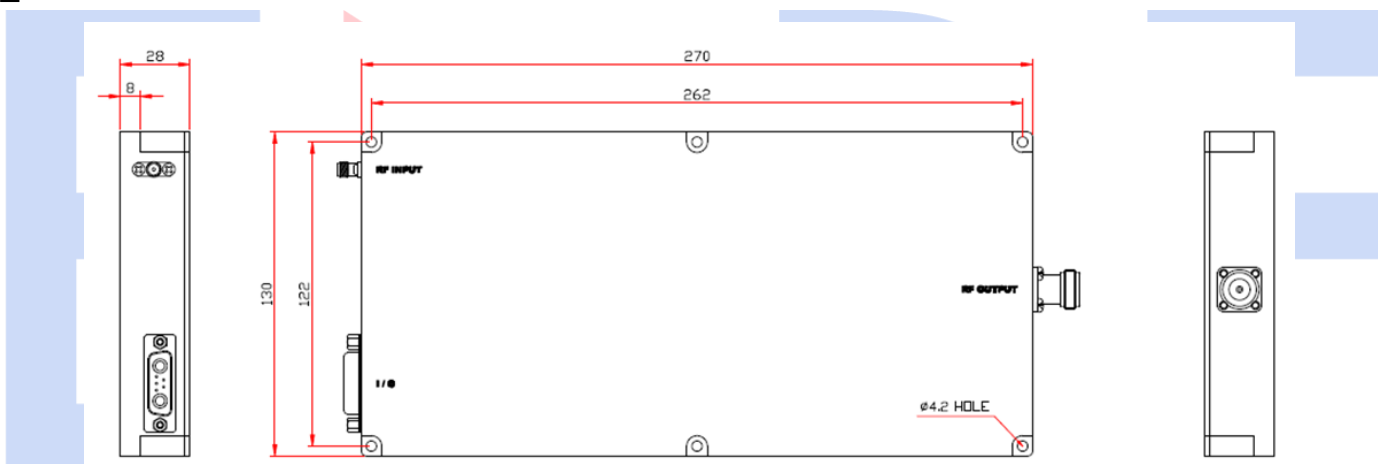
Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimension	270*130*28	-
2	Weight	1.8kg	-
3	RF Connector	Input : SMA Female Output : N Female	-
4	DC/Interface Connector	Hybrid D-sub 7W2 Male	-
5	Operating Case Temperature	-30~+85°C	-
6	Storage Temperature	-40~+90°C	-
7	Relative Humidity(Non-condensing)	5~95%	-

Pin Description

Pin No.	Description	Specifications
A1	VDD	+50VDC
A2	GND	Ground
1	Current Monitor	1.0V@5A, 0.2V/A
2	Shutdown	ON : TTL "Low", OFF : TTL "High" (Internally Pulled-Low)
3	Temperature Monitor	$V_o = (10\text{mV}/^\circ\text{C} \times \text{Temp}) + 500\text{mV}$
4	NC	-
5	NC	-

Mechanical Dimension [Unit: mm]



SOLUTION