ECHO RF Solution (https://echorfsolution.com)

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Specification

1. Item

Product	5000~6000MHz Broadband Power Amplifier
Partnumber	EBM-5000M6000-47-46

2. Revision History

Issued / Revision	R&D Approved	Revision Detail

Specification

5000~6000MHz Broadband Amplifier

Design	R & D	Approval
CYKIM		

Customer:	Date:	Part No.: EBM-5000M6000-47-46

General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	5000MHz~6000MHz	-
2	Operating Bandwidth	1000MHz	-
3	Output Power(Psat)	+47dBm (50Watt) min.	-
4	Gain	53dB min.	-
5	Gain Flatness	± 3.0dB typ.	-
6	Input VSWR	1.5 : 1	-
7	Operating Voltage	+50VDC	-
8	Current Consumption	6A typ. (7A max.)@47dBm	-
9	Spurious Signals	-60dBc	-
10	Operating Case Temperature	-20℃ ~ +75℃	-
11	Storage Temperature	-40℃ ~ +85℃	-
12	Relative Humidity	0 to 95% RH (non-condensing)	-
13	RF Connectors	Input ; SMA Female, Output : N Female	-
14	Function	On/Off Switching, Temp. Detection, Current Detection	-
15	Dimension	248*130*28	mm
16	Weight	1.8 kg	-
17	DC/Interface Connector	Hybrid, D-sub 7W2 Male	-
18	Cooling	External Heat sink	-

DC/Interface Connector (Hybrid, D-sub 7W2 Male)

Pin No.	Description	Specifications
A1	VDD	+50VDC
A2	GND	Ground
1	Current Monitor	1.0V@5A, 0.2V/A
2	Enable/Disable	Enable: TTL “Low”, Disable: TTL “High” (Internally Pulled-Low)
3	Temp. Monitor	0.75VDC@+25C , (10mV/dB * Temp ℃) + 500mV
4,5	GND	Ground

Mechanical Dimension [Unit: mm]