

Specification

1. Item

Product	500~2500MHz Broadband Power Amplifier
Partnumber	EBM-0500M2500-47-50

2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: EBM-0500M2500-47-50
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General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	500~2500MHz	-
2	Output Power(P _{sat})	50Watt(+47dBm) typ.	-
3	Output Power(P _{1dB})	30Watt(+44.8dBm) typ.	-
4	Gain	50dB ± 1dB	-
5	Gain Flatness @rated output power	± 2.0dB typ.	-
6	Input Return Loss(S ₁₁)	- 10dB typ.	-
7	Noise Figure	10dB typ.	-
8	Harmonics	-20dBc typ.	-
9	Spurious Signals	-70dBc Min.	-
10	Operating Voltage	+28 ±2.0VDC	-
11	Current Consumption	7A max.	-
12	Standby Current Consumption	500mA typ.	-
13	Operating Temperature	-20°C ~ +60°C	-
14	Relative Humidity	0 to 95% RH (non-condensing)	-
15	Dimension	187*91*28	mm
16	Weight	0.9kg	-
17	RF Connectors In/out	SMA Female	-
18	DC / Control Connector	D-Sub 9Pin Male	-
19	Cooling	External Heat sink	-
20	Input Overdrive	+10dBm max.	-
21	Load VSWR @ rated output power	∞ @ all load phase & amplitude	-
22	Thermal Overload	85°C Graceful Degradation	-

Interface Connector D-sub 9Pin

Pin No.	Description	Specifications
1	Current Monitor	Analog voltage relative to Module's Current
2	NC	Ground
3	Temperature Monitor	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	+28 VDC to 2 V
7	VDD	+28 VDC to 2 V
8	GND	Ground
9	GND	Ground

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