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

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Specification

1. Item

Product	GSM 925~960MHz HPA
Partnumber	EHM-0925-44-50

2. Revision History

Issued / Revision	R&D Approved	Revision Detail

Specification

GSM 925~960MHz HPA

Design	R & D	Approval
CYKIM		

Customer:	Date:	Part No.: EHM-0925-44-50

General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	925MHz ~ 960MHz	-
2	Operating Bandwidth	35 MHz	-
3	Output Power Level	44.5dBm	28Watt
4	IMD	<-55dBc @ 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	Operationg Temperature	-20℃ ~ +60℃	-
14	Relative Humidity	0% ~ 95%	Non-condensing

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 Connecotr	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℃	
		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	-

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