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Specification

1. Item

Product	2620~2690MHz 8W HPA
Partnumber	EHM-2620-39-42

2. Revision History

Issued / Revision	R&D Approved	Revision Detail

Specification

2620~2690MHz 8W HPA

Design	R & D	Approval
CYKIM		

Customer:	Date:	Part No.: EHM-2620-39-42

General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	2620MHz ~ 2690MHz	-
2	Output Power	8W	-
3	Gain	42dB	-
4	Gain Flatness	±0.5dB	-
5	Gain Variation @ Temp.	±1.0dB	-
6	In/Output Return Loss	15dB	-
7	ACLR Pout : 8W BW : 20MHz, LTE PAR : 8dB@CCDF 0.01%	-45	@±20MHz @±40MHz
8	Harmonic	-45dBc	-
9	Spurious Signals	-70dBc	-
10	Operating Voltage	27~29V	-
11	Current Consumption	2.0A Max.	-

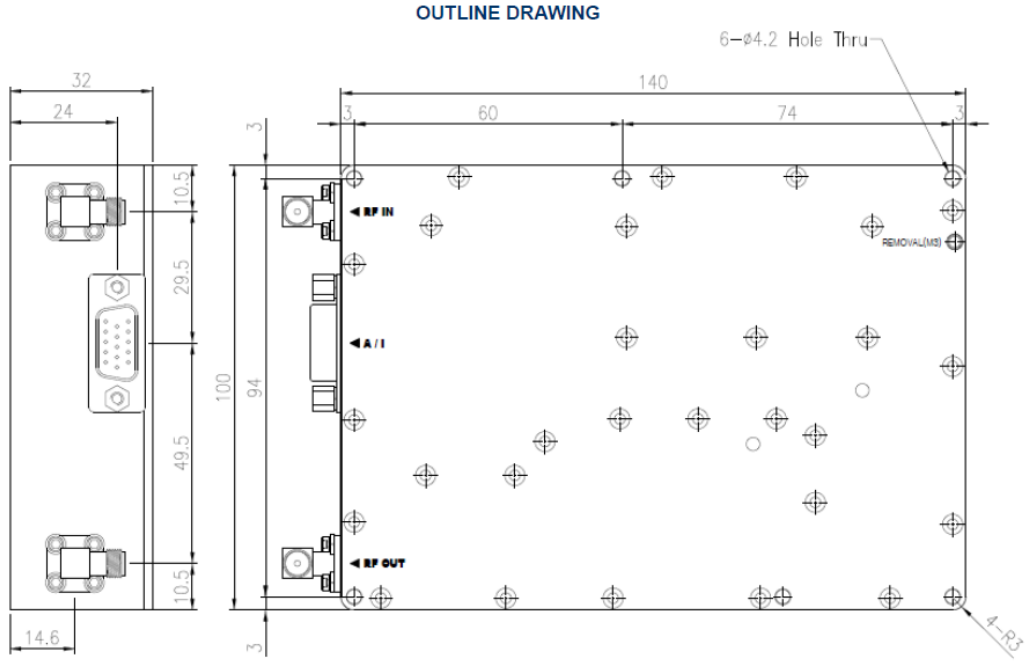
Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimension	100*140*32	W*D*H (mm)
2	Weight	1.1	kg
3	RF Connector	SMA(F)	-
4	DC Connector	D-sub 15Pin Male	-
5	Interface Connector	D-sub 15Pin Male	-

Environmental Specifications

No.	Parameter	Specification	Unit
1	Operating Case Temperature	-30~+80℃	-
2	Storage Temperature	-40~+90℃	-
3	Relative Humidity(Non-condensing)	5~95%	-

Pin Description

	Pin No.	Description	Specification
DC	A1	VDD	+28VDC
	A2	GND	Ground
	A3	NC	No Connection
Control	1	Over Power Alarm	Alarm : TTL “High”@ ≥ +50dBm
	2	Reverse Power Alarm	Alarm : TTL “High”@ ≥ VSWR 3:1
	3	High Temp. Alarm	Alarm : TTL “High”@ Temp. : ≥ +85℃ Shutdown, Auto-restart @ +75℃
	4	GND	Ground
	5	Enable/Disable	Enable: TTL “Low”, Disable: TTL “High”
	6	Forward Power Monitor	4.0V@Po=+39dBm, 100mV/dB
	7	Reverse Power Monitor	4.0V@Po=+39dBm, 100mV/dB
	8	Temperature Monitor	Vo=(10mV/°C x Temp) + 500mV
	9	GND	Ground

Mechanical Dimension [Unit: mm]