Wide Ka-Band 25W GaN BUC KMU275300B01-25

Applications

- High power BUCs for VSAT
- SatCom Applications

Features

- 41dBm Psat
- Based on GaN Technology
- Wide Band Output Switchable (V/H pole)
- Small Size & Light Weight
- SWaP Design.

ITEM	PARAMETER	SPECIFICATION	Remark
1	**Frequency**		
1.1	RF Frequency	27.5 ~ 30.0 GHz	
1.2	IF Frequency	950 ~ 2000 MHz	
1.3	LO frequency	Switchable	Band Selection
1.4	External Ref. Frequency	50 MHz : 0dBm +/- 5dB	10MHz option
2	**IF Input Characteristics**		
2.1	Impedance	50 Ohm	
2.2	Return Loss	15 dB	
2.3	Connector	N-type female	
3	**RF Output Characteristics**		
3.1	Impedance	50 Ohm	
3.2	Return Loss	15 dB	
3.3	Psat	25 W	
3.4	Linear Power	12W	For two tone IMD>24dBc
3.5	Connector	WR28	V/H port switchable
4	**Spurious Output**		
4.1	Signal related	-60 dBc	
4.2	Signal unrelated	-60 dBc	
5	**Noise Characteristics**		
5.1	Phase noise	5dB better than IESS 308/309	
5.2	Noise figure	<20 dB	
6.3	Receive band noise power	TBD	
7	**DC Power**		
7.1	DC power	200 W	
8	**Environment**		
8.1	Operation Temperature	-30 ~ 55℃	
8.2	Storage Temperature	-45 ~ 80℃	

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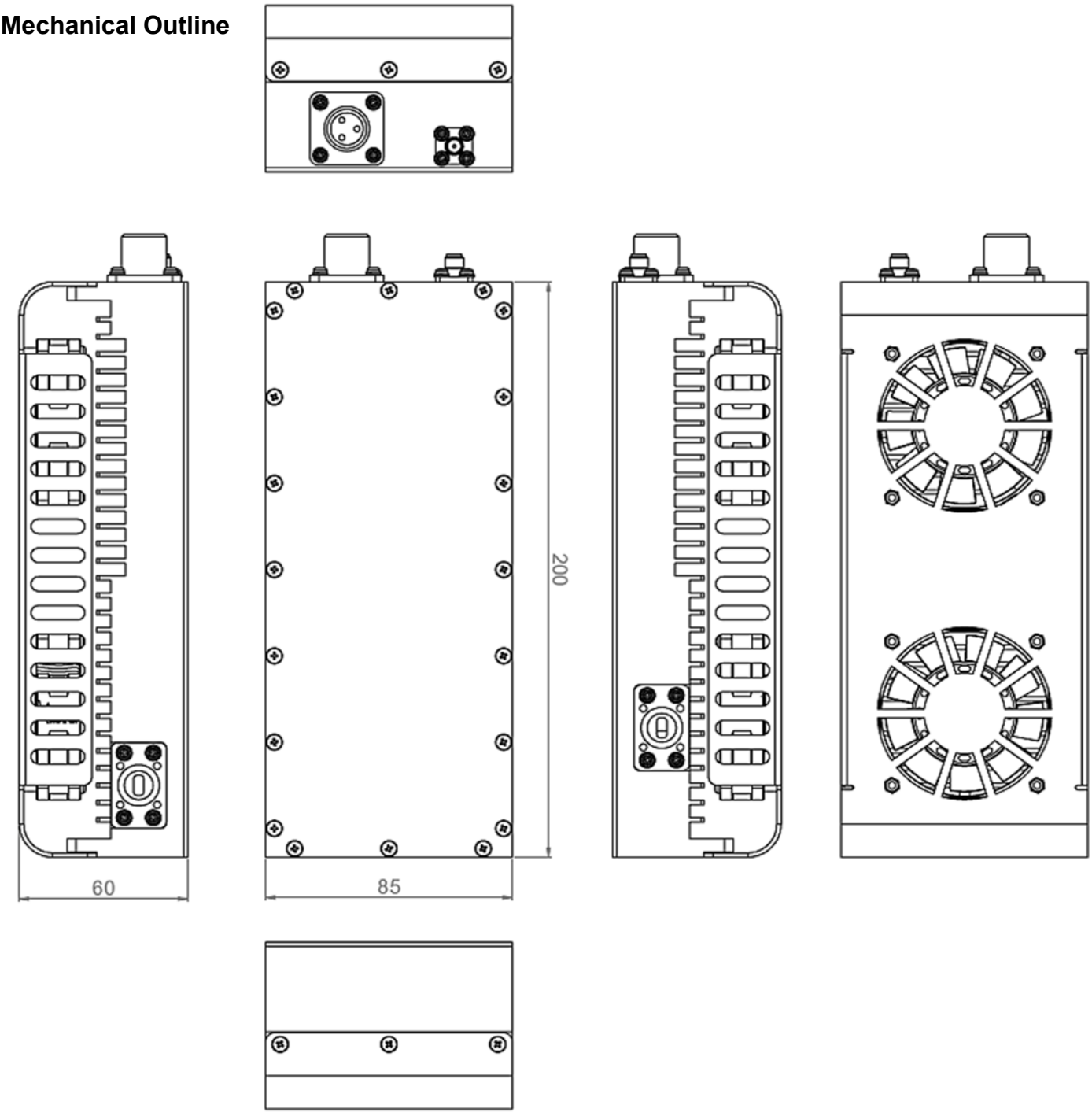
Mechanical Outline



*** Weight : 1.3Kg max**

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