



**GeosSat**  
**Microwave**

- Dual bands are switchable
- Low power consumption
- Higher reliability from integrated design principle
- Compact size and light weight
- Meet ETSI, FCC standards



## Block Up-Converter C-Band 8W Extended (BUC)

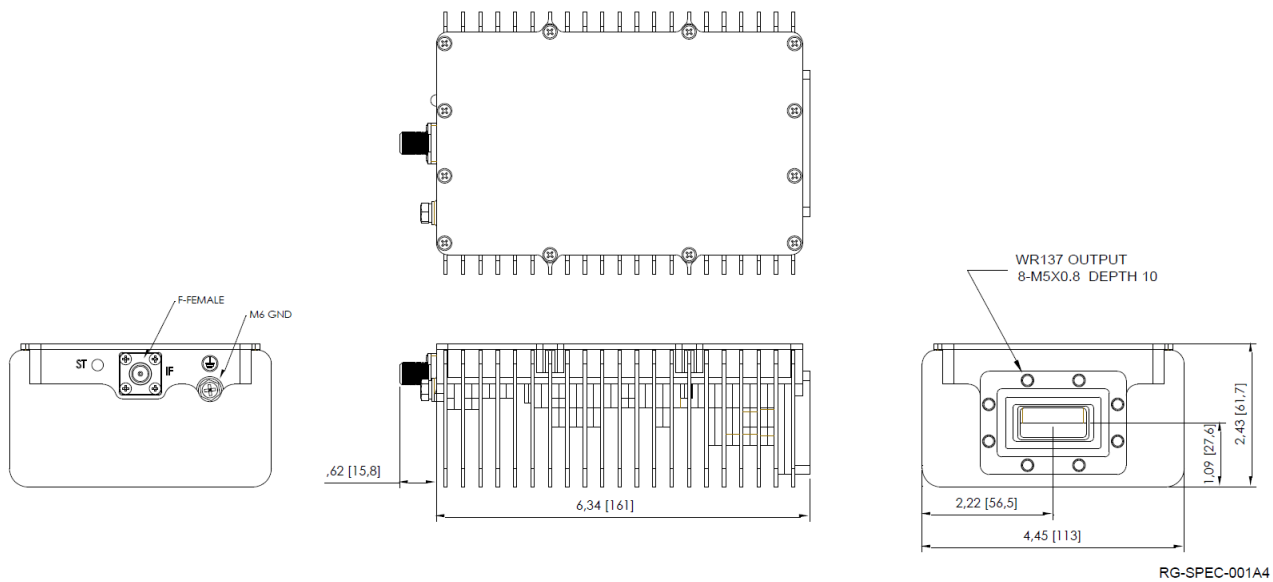
Model: GB8C2N

Section	Item	Specification	
RF Specifications	RF Frequency	5.850-6.725 GHz	
	IF Frequency	950-1825 MHz	
	External Reference	10 MHz, 0±5 dBm	
	Saturated Output Power	≥39 dBm	
	Rated Output Power	39 dBm	
	ACPR@2dB back-off from Rated Power	≤ -26 dBc	
	Small Signal Gain	60 dB	
	Gain Variation		1 dB p-p/ 36 MHz
			4 dB p-p/ 575 MHz
			5 dB p-p/ 875 MHz
	Gain Stability	4 dB p-p	
	Receive Band Noise Density		-87 dBm/ 4 KHz max. @3.4-4.8 GHz
		Phase Noise	
	-75 dBc/Hz @1 KHz		
	-85 dBc/Hz @10 KHz -95 dBc/Hz @100 KHz		
Output Spurious		≤ -55 dBc	
Power Supply	Power Supply	+18 to +36 VDC, via IFL cable	
	Power Supply Draw		
	@Rated Output Power	55 W	
Interface	RF Output Connector	WR137 (Grooved)	
	RF Output VSWR	2:1	
	IF Input Connector	F-Type Female	
	IF Input VSWR	2:1	

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Section	Item	Specification
Physical Parameters	Size	164*112*64 mm
	Weight	1.2 Kg
	Operating Temperature	-40 to +60 °C
	Humidity	0-100% (Condensing)
	Altitude	0-10000 F ASL
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### Mechanical Diagram (Unit: inch (mm))



RG-SPEC-001A4