



GeosSat
Microwave

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



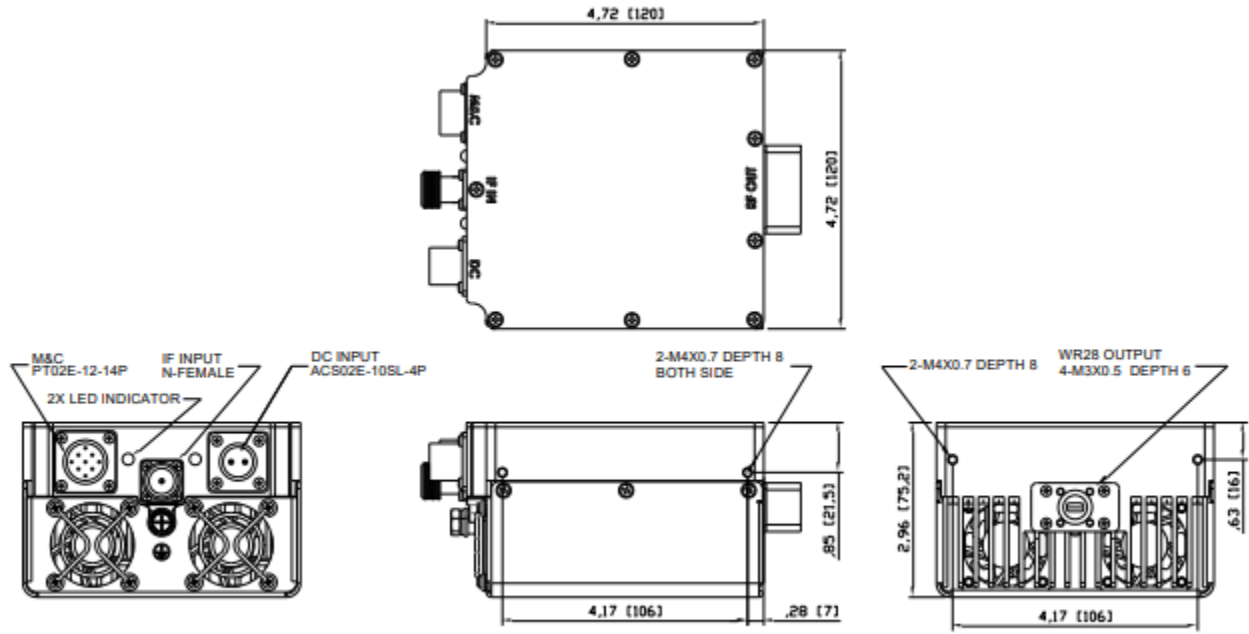
Block Up-Converter Ka-Band 6W (BUC)

Model: GB6KA1N, GB6KA2N, GB6KA3N

Section	Item	Specification
Power Requirement	Voltage	+22 to +60 VDC
	Power Consumption	60W max
	RF Frequency	29-30 GHz (1) 29.5-30 GHz (2) 30-31 GHz (3)
Input Characteristics	Frequency Range	950-1950 MHz 950-1450 MHz 1000-2000 MHz (Optional)
	External Reference	10 MHz, 0±5 dBm
	Saturated Output Power	37.8 dBm
	Rated Output Power	37.8 dBm
	Linear Output Power	34.8 dBm
	IMD3 at Linear Output Power	-25 dBc (max)
Small Signal Gain		65 dB
Phase Noise	Gain Variation	1 dB p-p/ 36 MHz 3 dB p-p/ 500 MHz 4 dB p-p/ 1000 MHz
	Gain Stability	3 dB p-p max
	Gain Adjustment Range	20 dB (Step: 0.1 dB)
		-63 dBc/Hz @100 Hz -73 dBc/Hz @1 KHz -83 dBc/Hz @10 KHz -93 dBc/Hz @100 KHz
	Output Spurious	-55 dBc (max)
	RF Output Connector	WR28-G (Grooved)
	RF Output VSWR	1.25:1
	IF Input Connector	N-Type Female
	IF Input VSWR	1.5:1

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Mechanical Diagram (Unit: inch (mm))



RG-SPEC-014A3

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