

SA-P618-040-M01

6-18GHz 40W CW SSPA Specifications

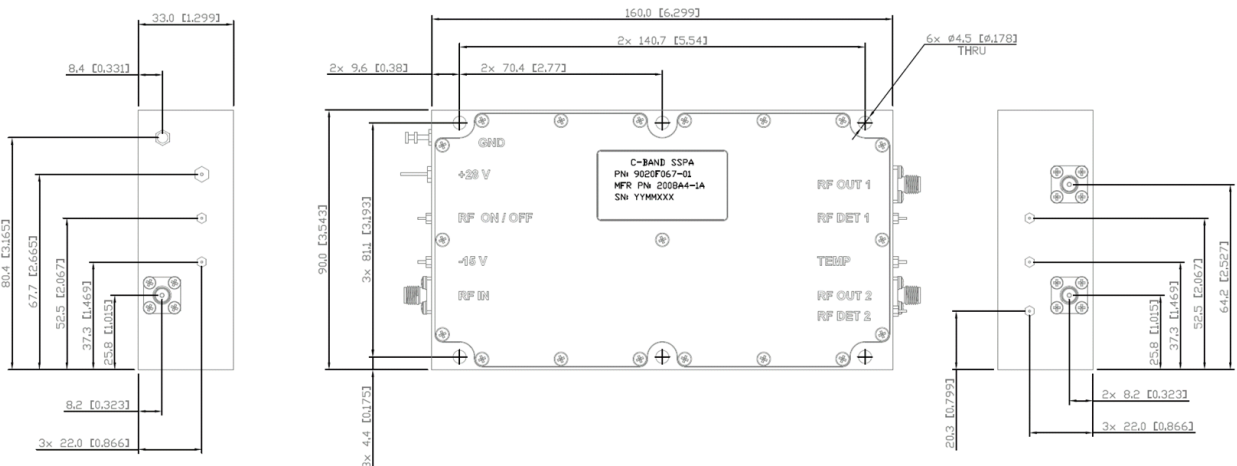
Description

Wide Band CW SSPA for Land and Airborne applications. This small size, high efficiency module was specially designed for the most demanding SWaP-C requirements. With a weight of less than 500gr (<18Oz.) and foot print of a smart phone, this SSPA delivers 40W of continuous power throughout the entire frequency range (6Ghz-18Ghz).

The module complies with EMC/EMI MIL-STD-461 and Environmental conditions according to MIL-STD-810

It is field proven by a leading global prime defense OEM and successfully operational with our Ku-C Up/Down converter.

- GaN Technology
- Airborne Compatible
- 6-18 GHz 40W CW
- Designed for SWaP
- Mil-STDs 461 & 810
- 120 x 80 x 38 (mm)
- < 500 grm



Electrical Specification

Frequency range	6,000-18,000MHz	
Output Power	46dBm (40W) CW	@ Pin=0dBm, Typical
Input / Output Impedance	50 Ω	Typical
Harmonics rejection	-30 dBc min.	
Spurious rejection	-65 dBc min.	
Max. Input Power	20 dBm	CW
Operating temperature	-40°C ~ +85 °C	
High / Low Power mode	46dBm/30dBm	Typical
Input Voltage	28V	
Power consumption	280W	Typical
Sensors	Forward Power Reflected Power Temperature Over Temperature	
TX On/Off	Yes	

Mechanical Specification

Width	120mm
Depth	80mm
Height	38mm
Weight	0.5Kg

Connectors

Connector	Name	Type	G	Contacts
J1	TXin	SMA	F	Coax
J2	DC@CTRL	DAH, 26pin	M	
J3	RXout	SMA	F	Coax
J4	RFin / out	SMA	F	Coax