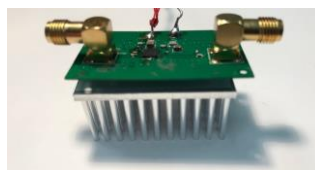


Specification Sheet for S-Band SSPA

Parameter	Typical target
Frequency of operation (MHz)	2140
Forward small signal gain (dB)	24
Gain flatness (dB)	2
Output power (dBm)	30 (3dB compression)
Noise figure	4.7 dB
Harmonics (second) with respect to fundamental	-65dB
Spurious (dB)	77
Input/Output impedance (ohms)	50
Input/Output VSWR	1:3 min
Maximum input power (dBm)	10 dBm
Power added efficiency %	40
1 dB compression point dBm	30 dBm
OIP3 (dbm)	45
Reverse isolation (db)	-77
DC power supply voltage (V)	5.0V
DC power supply current (Amps)	400 mA
Ambient temperature of operation Deg C	-55 to 125 (special order) , -40 85 nominal
Storage temperature Deg C	160 max



- Design and Specifications will be updated periodically
 - Customer Feedback welcome
- Hyper-efficient S-band SSPA (PAE>65%) will be available by end of 2023