

**20-520MHz, 100W, SSPA**
**FEATURES**

- **High efficiency**
- **High output power**
- **Ultra-wideband**
- **Compact size and light weight**
- **Custom engineered available**


**ELECTRICAL SPECIFICATIONS**

Parameter	Min	Typ	Max	Unit
Frequency Range	20		520	MHz
Psat CW		50		dBm
Power Gain@Psat		51		dB
Small Signal Gain Flatness		±2		dB
Input VSWR			2:1	-
Harmonics		-10		dBc
Spurious		-65		dBc
Input/Output Impedance		50		Ω
DC Voltage	24	28	32	V
DC Current@100W		9		a
Max Input Power			+10	dBm

**ENVIRONMENTAL SPECIFICATIONS**

Parameter	Min	Typ	Max	Unit
Operating Temp.	-40		+65	°C
Storage Temp.	-55		+85	°C
Relative Humidity		90%		-

**MECHANICAL SPECIFICATIONS**

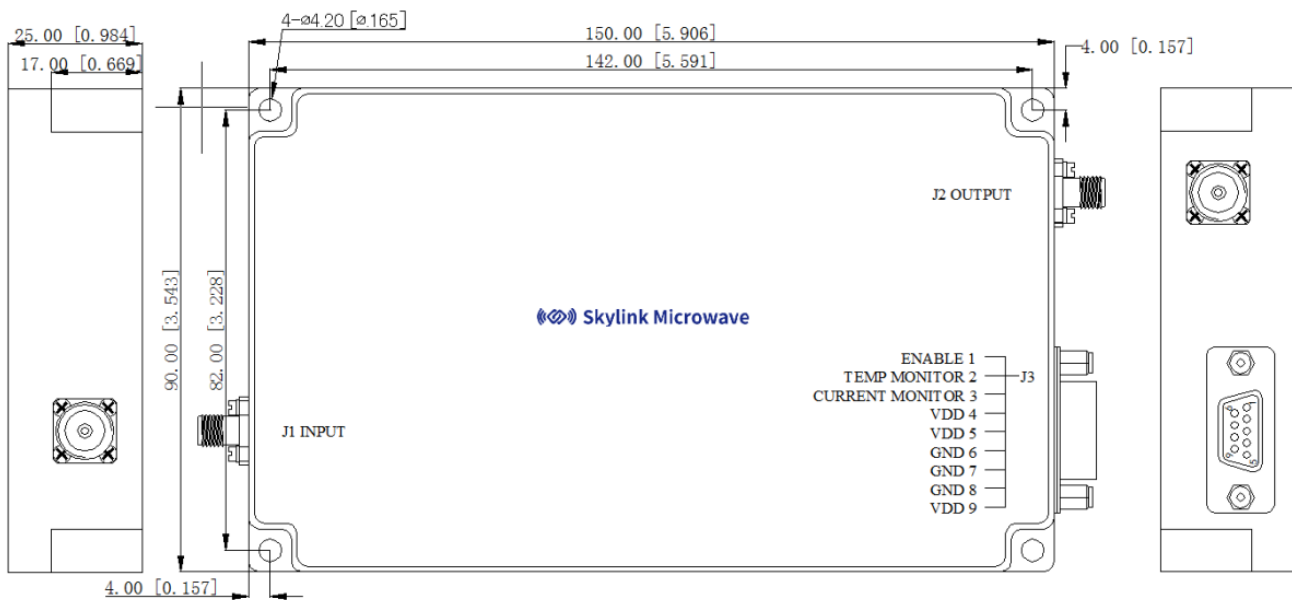
Parameter	Value	Unit
Dimension	150×90×25	mm
Weight	0.5	kg
RF I/O Connectors	SMA-F	-
Control Connector	D-Sub 15-Pin. male	-
Cooling	External Heatsink	-

**PROTECTION**

Load VSWR @Pout=50W	$\infty$ @ all load phase & amplitude for duration of 1 minute; 3:1 @ all load phase & amplitude continuous
Thermal Overload	85 °C $\pm$ 5 °C shutdown

**DC INTERFACE CONNECTOR**

Pin #	Description	Specification
1	Enable	Amplifier Enable: TTL Logic High (3.3V) (Internally Pulled-Low)
2	Temp. Monitor	Analog voltage relative to module's Temp. @ 10 mV/ °C
3	Current Monitor	Analog voltage relative to IDD @ 100mV per Ampere
4,5,9	VDD	28VDC
6,7,8	GND	Ground

**OUTLINE DRAWING**


Unit: mm [inch]