14.5-15GHz 300W PULSE SOLID STATE HIGH POWER AMPLIFIER

LPA14156555M

FEATURES

- Wide Bandwidh
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

ELECTRICAL SPECIFICATIONS@25˚C:

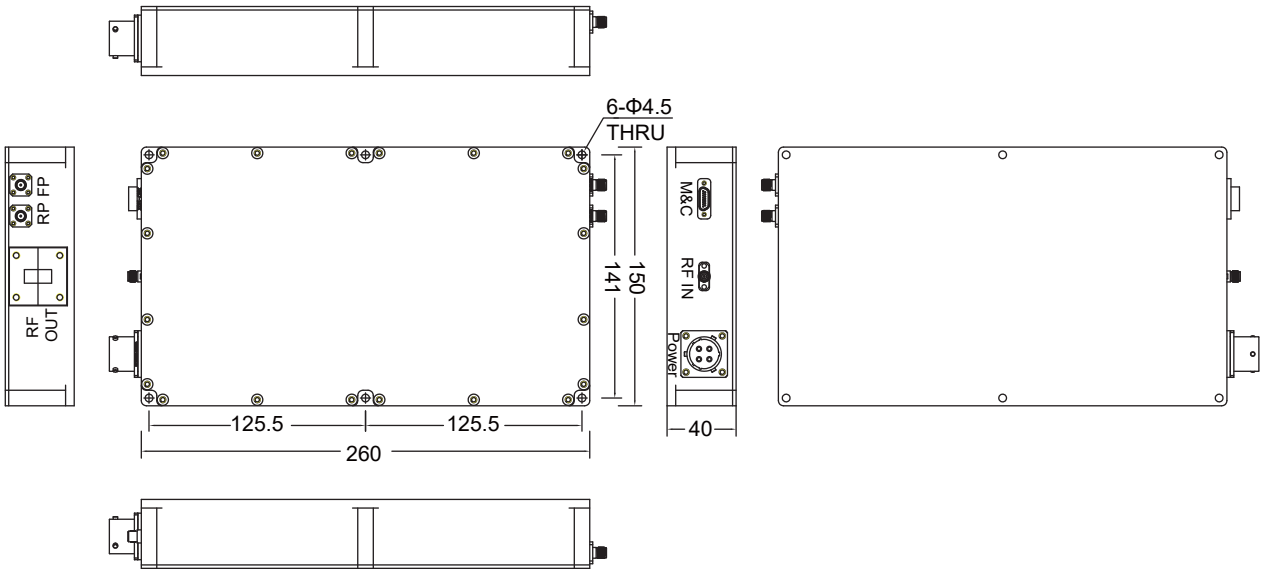
Parameter	Min	Typical	Max	Units
Frequency Range	14.5		15	GHz
Power Gain	65			dB
Gain Flatness				dB
Output Power	300			Watt
Duty Cycle			15	%
Pulse Width		100		us
Spurious		-60		dBc
Harmonics		-15		dBc
VSWR			2	Ratio
DC Power Supply		28		Volt
Current		43		A

Note:
1.Over Voltage Protection;Over Current Protection; Over reflected power (High VSWR) Protection.Circulator and Detector will be included.
2..Air forced cool.

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Input power Protection				dBm
Operating Temperature	0		+40	˚C
Non-operating Temperature	-40		+85	˚C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	260*150*40		Milimeter
Weight	4		Kg
RF Connectors Input	SMA-F		
RF Connectors output	WR62		
Impedance			ohms

OUTLINE DRAWING(mm):