泰莱微波
Talent Microwave

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Model:TLPA0.1M200M-47-47-BC

Solid State High Power Amplifier Systems 0.1-200MHz,Gain:47dB,Psat:47dBm

Feature:

- Ultra Wide Band: 0.1-200MHz
- Gain: 47dB Min
- Psat Output Power: 47 dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	0.1-200			MHz
Gain	GP	47	50		dB
Gain flatness	ΔGL		±2	±3	dB
Output P1dB	P1dB		43		dB
Output Psat	Psat	47	48		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-10	dBc
Gain Adjust Range	ΔGR		30		dB
Input VSWR	VSWRin		1.5	2.0	:1
AC Voltage	Vac	110	220		V AC
AC Supply Current	Iac	1.5A@220V AC			A
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	N Female	
Size	3U*500 depth	mm
Weight	15	kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

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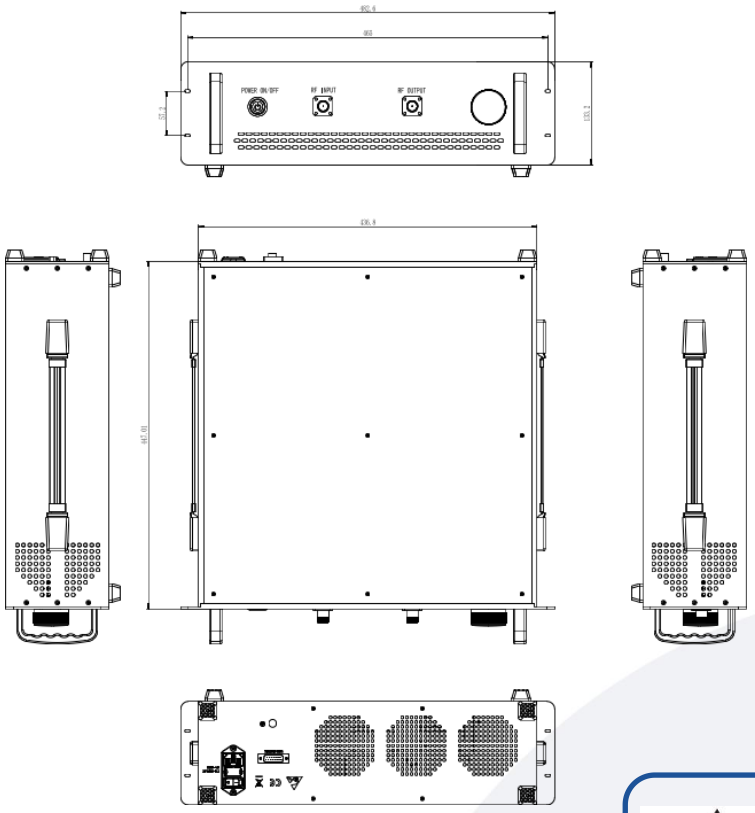
Outline Drawing:

Unit: mm



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ELECTROSTATIC SENSITIVE
DEVICES

Kye Features:

Parameter	Advantages
Control functions	1, Power setting On/Off
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Cooling system	Built in Cooling system,forced air cooling

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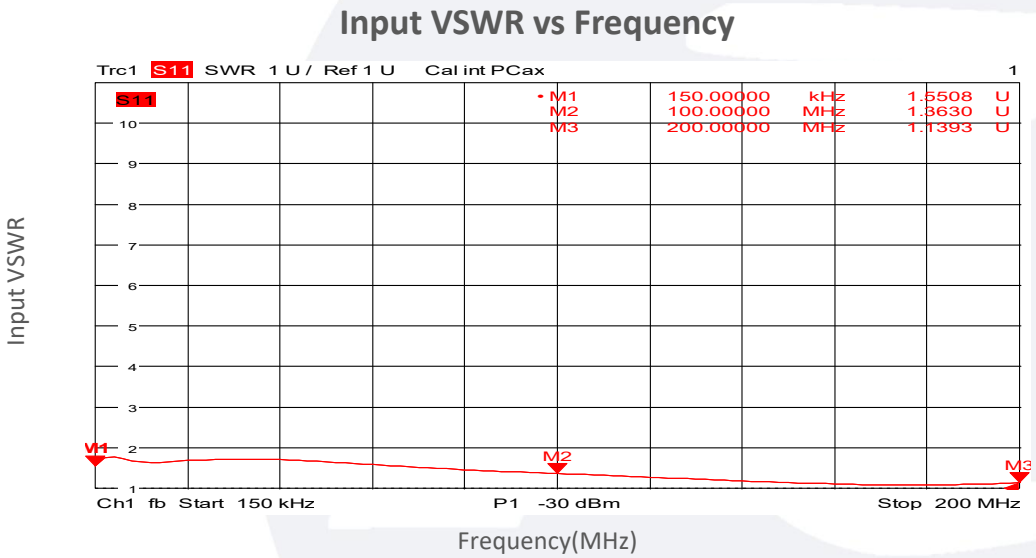
Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	℃
Non-operating Temperature	-40		+85	℃
Relative humidity		95		%
Altitude	15000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA0.1M200M-47-47-BC	Solid State High Power Amplifier Systems 0.1-200MHz,Gain:47dB,Psat:47 dBm,220V AC,Built in Fan Cooling	Rev.1.0

Typical Performance Data:



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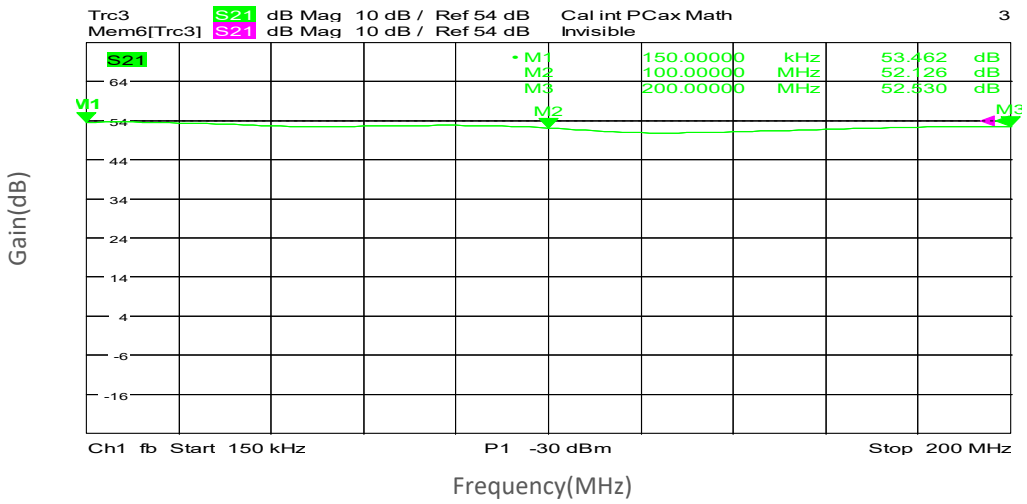
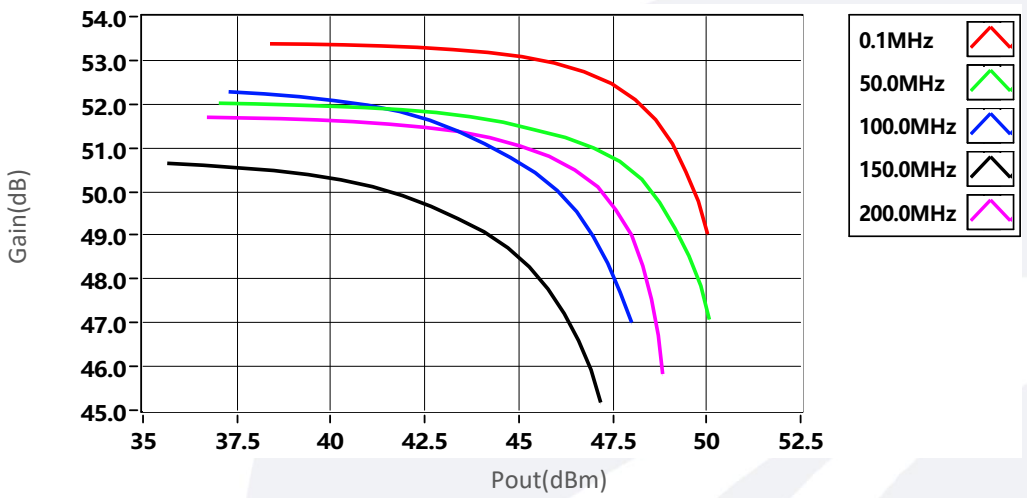
Typical Performance Data:

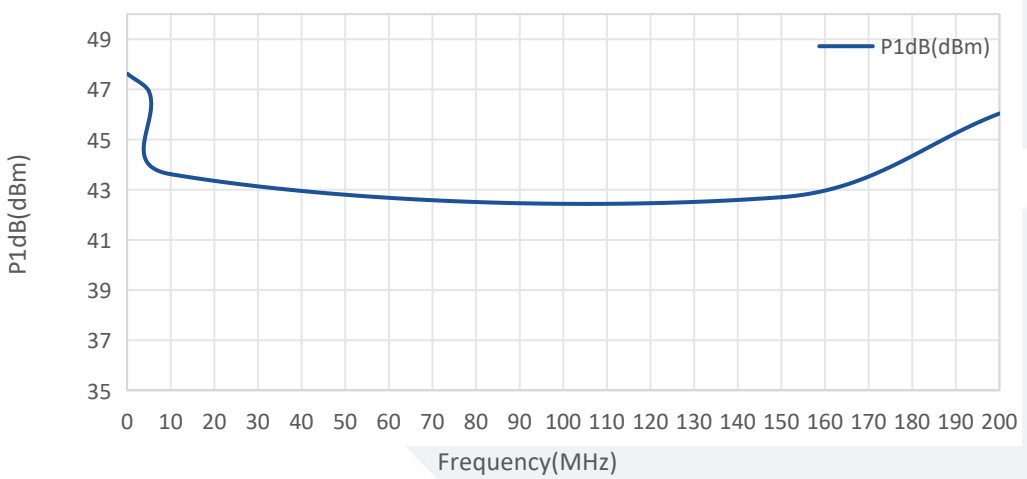
Gain vs Frequency



Gain vs Output Power



P1dB vs Frequency



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