

RF Power Amplifier Preliminary Specification

- * Operating Frequency : 1000-1400 MHz
- * Power Output: 5 Watts
- * Gain : 14 dB
- * Operation 12 Volts

Description: All Purpose Class AB Linear Power Amp

ELECTRICAL SPECIFICATION @ VDD= +28 VDC Temp. = 25 °C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	1000		1400	MHz
Gain	G	12	15	17	dB
Gain Flatness	Δ G		±1.5	±1.8	dB
Power Output	P 1 dB	35	37		dBm
Input return loss	S11		1.8:1	2.5:1	Ratio
Operating Voltage	Vdc	11.5	12	12.5	Volt
Operating Current	Idq	0.18	0.9	1.5	A
Bias Voltage		4.9	5	5.1	Volt

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
RF Connectors IN/OUT	Edge pin		
DC Connectors	Edge pin		

PROTECTIONS

	Max	
RF Input Power	23	dBm
Reverse Polarity Protection		
Load VSWR	5:01	RATIO

ENVIROMENTAL CHARACTERISTICS

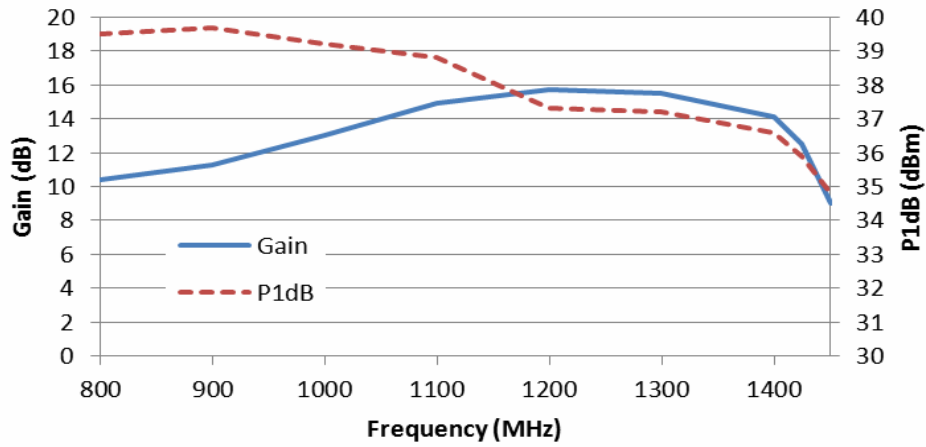
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	-20		70	°C
Storage Temperature	Tstg	-55		125°C	°C

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Typical Performance



Outline Drawing

