

HD24390

880 – 960MHz Low Noise Amplifier

Features

- Frequency Range: 880-960MHz
- Gain: 23dB
- P_{1dB}: +13dBm
- IP3: +25dBm
- Noise Figure: 1.2dB
- DC Power: 6 - 24V
- SMA Connector



Performance measured @ 920MHz

Description

HD24390 is a 1.2dB Noise Figure Low Noise Amplifier operates with frequency range usable from 880 to 960MHz.

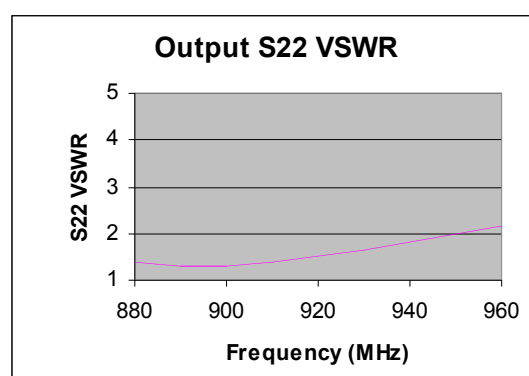
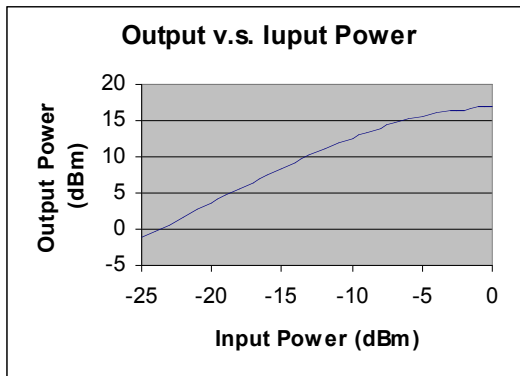
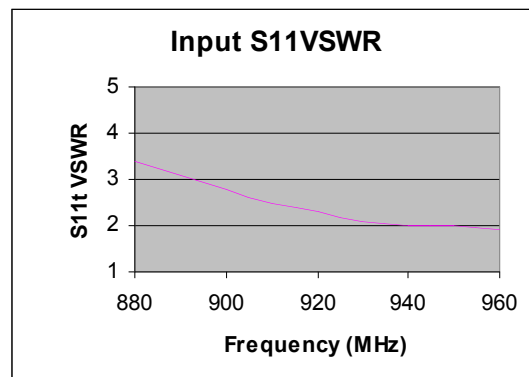
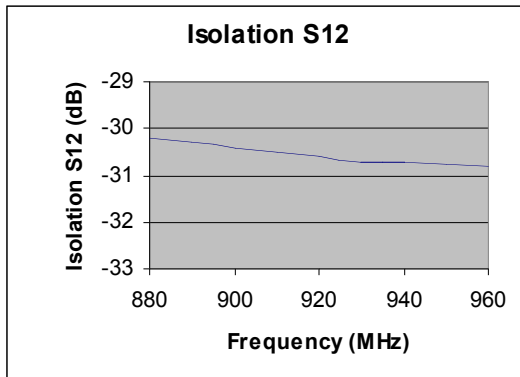
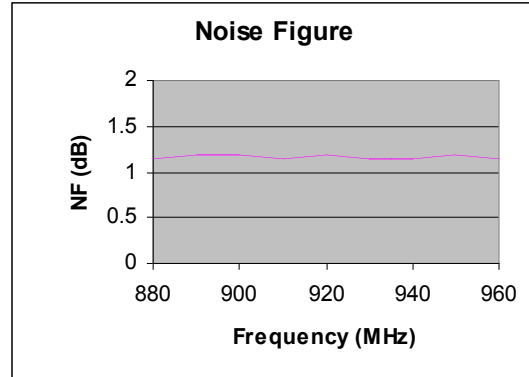
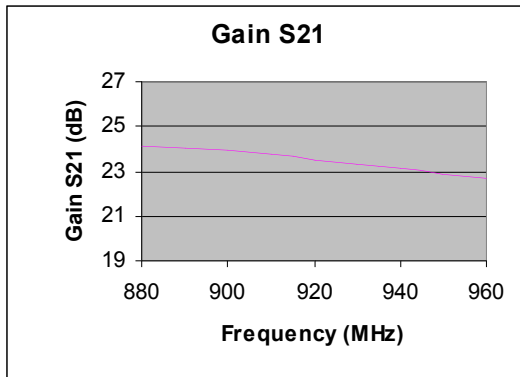
Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	880		960
Gain f = 880MHz	dB		23	
f = 920MHz	dB	22	23	
f = 960MHz	dB		23	
P _{1dB} f = 920MHz	dBm		+13	
IP3 f= 920MHz	dBm		+25	
Noise Figure	dB		1.2	1.3
Reverse Isolation	dB		-30	
VSWR f = 920MHz				
Input VSWR			2.4:1	
Output VSWR			1.4:1	
DC Power Supply	V	6	12	24
Supply Current	mA		25	

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Typical Performance @ +25 °C



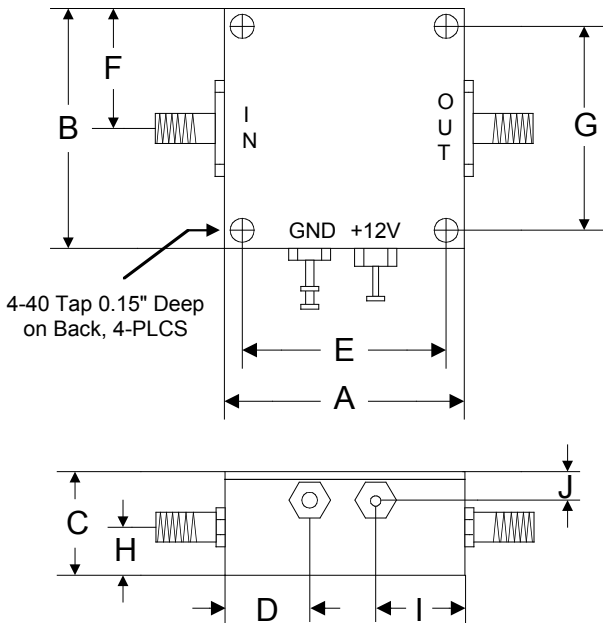
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Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+15dBm
Supply Voltage	+25V
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +125 °C

Outline



	A	B	C	D	E	F	G	H	I	J
Inch	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
mm	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76