

QBH-8739 Amplifier



FEATURES

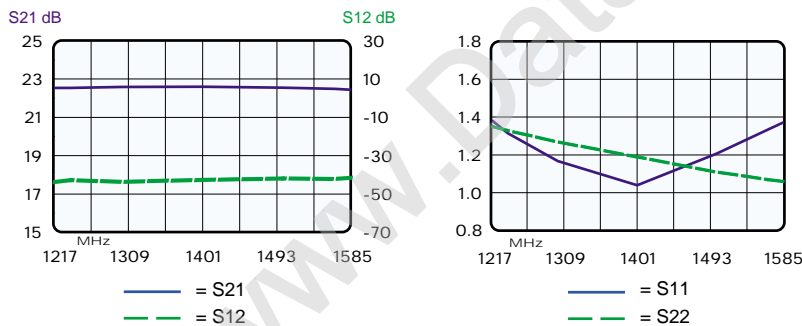
- 1217–1585 MHz
- 0.8 dB noise figure
- Low VSWR

PACKAGING

- Hybrid surface mount package
- Tinned copper heat spreader
- Tape and reel packaging available

QBH-8739

This extremely low noise figure GPS amplifier is ideal as a receiver front end for communication equipment. It is surface mount, with a tinned copper backside for heat dissipation. Available packaged in tape and reel for volume manufacturing.



TYPICAL S-PARAMETER DATA

MHz	S11		S21		S12		S22	
	dB	Ang	dB	Ang	dB	Ang	dB	Ang
1217	-15.8	-172.2	22.5	167.7	-46.4	-63.8	-16.6	17.2
1237	-17.1	-173.2	22.5	162.5	-45.5	-66.7	-16.9	13.6
1300	-22.2	-174.1	22.6	146.4	-46.2	-76.8	-18.4	3.4
1400	-33.6	-95.6	22.6	121.1	-45.4	-100.1	-21.3	-23.8
1500	-20.6	-51.5	22.5	95.5	-44.8	-118.8	-26.0	-59.6
1565	-16.8	-51.7	22.5	78.5	-44.9	-137.3	-31.0	-102.9
1585	-15.9	-52.6	22.4	73.3	-44.4	-140.9	-31.9	-122.1

The Total Microwave Solution



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Electrical

Characteristics

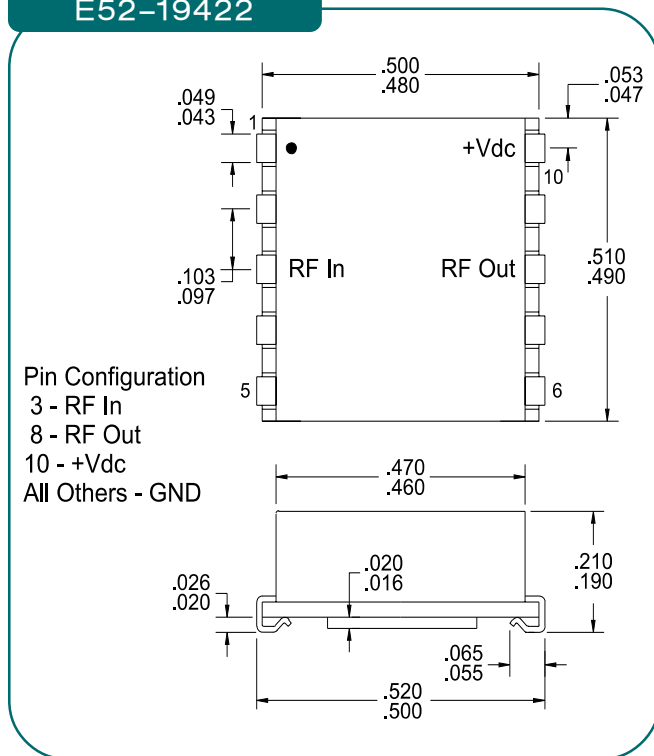
	Specification
Operating Band	1217 – 1585 MHz
Gain	22 ± 1.0 dB
Gain Flatness	0.4 dB
Noise Figure	0.85 dB
VSWR Input	1.8 max
VSWR Output	1.8 max
P1dB	+5.0 dBm
DC Power	5 Vdc – 45 mA
Temperature	-40°C to +70°C

Absolute Maximum

Ratings

	Specification
Power supply voltage:	
Sustaining	+8.0 Vdc
Temperature:	
Storage	-65°C to +150°C

E52-19422



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