

HD25836

40 – 3000MHz 15V Low Noise Amplifier with Limiter

Features

- Frequency Range: 40-3000MHz
- Gain: 20dB
- P_{1dB}: +19dBm
- IP3: +32dBm
- Noise Figure: 2.3dB
- DC Power: 15V/60mA
- SMA Connector

Performance measured @ 1000MHz

Description

HD25836 is a 15V Low Power 2.5dB Noise Figure Wideband Low Noise Amplifier operates with frequency range usable from (Limiter included) 40 to 3000MHz.



Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	40		3000
Gain	dB		20	25
P _{1dB}	dBm		+19	
IP3	dBm		+32	
Noise Figure	dB		2.5	2.7
Reverse Isolation	dB		-20	
VSWR				
Input VSWR			2.0:1	
Output VSWR			2.0:1	
DC Power Supply	V		15.0	
Supply Current	mA		135	

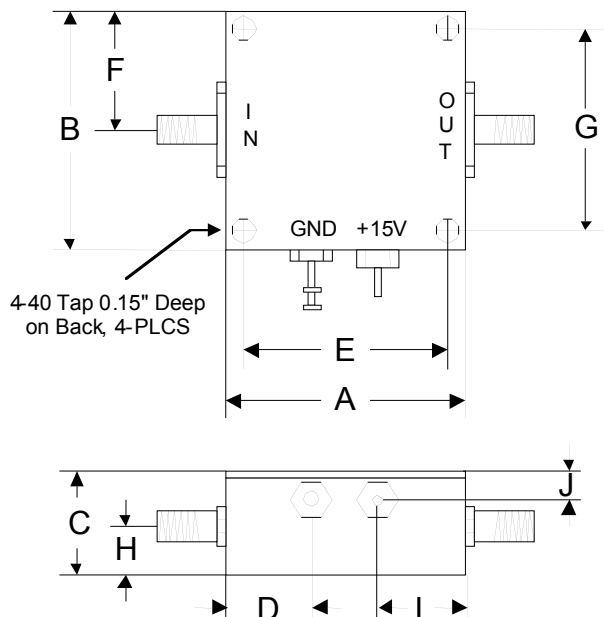
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Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+13dBm
Supply Voltage	+15V
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