

## Physical Properties

- Material: 6061 T6 ALUMINIUM
- Dimensions: 1.5 x 1.5 x 0.937
- Input Port: WR-28
- Finish: Gold Plating
- Bias: Feed-thru Pin
- Output Port: WR-28



SN: AZZS9Y

\*Picture shown is indicative only.<sup>5</sup>

Electrical Specifications @ 25°C		Test Data			
Parameters	Specifications	Min.	Typ.	Max.	Unit
Frequency	26.5 to 40	26.5	-	40	GHz
Gain	30.0 typ.	38.4	42.9	46.8	dB
Noise Figure	3.0 typ.	-	3.0	-	dB
P1dB	+17.0 typ.	-	+21.5	-	dBm
Psat	+18.0 typ.	-	+24.1	-	dBm
VSWR	2.1 typ.	-	2.0	-	:1
Supply Voltage <sup>1, 3</sup>	+8	+6	+8	+12	Vdc
Supply Current	.250 typ.	0.190	0.250	0.270	A

1. DC Supply must be able to source at least 0.4A DC at startup.
2. Ensure proper 50 Ohm load before turning the amplifier "ON".
3. Reverse biasing will destroy the amplifier.
4. All data taken @ +25°C unless otherwise specified.
5. SN or PN may differ from actual unit. Please refer to outline on page 3 for more details.

Absolute Maximum Ratings	
Parameter	Ratings
Operating Temperature	-10°C to +45°C
Storage Temperature	-40°C to +100°C
Total Power Dissipation	3W
Input Power (CW)	+0dBm
DC Operating Voltage	+12V

\*Permanent damage may occur if any of these are exceeded.

Biasing Up Procedure	
Step 1	Connect Ground Pin
Step 2	Apply DC Supply Voltage
Step 3	Turn ON RF input
Power Down Procedure	
Step 1	Turn OFF RF input
Step 2	Turn OFF DC Supply Voltage
Step 3	Remove Ground

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