

Physical Properties

- Material: 6061 T-6 Aluminum
- Dimensions: 10.395" x 7" x 4"
- Bias: DC Supply
- RF Port: 2.92mm (K)
- IF Port: SMA-F



SN:xxxx

*Picture shown is indicative only.

Electrical Specifications @ 25°C		Test Data			
Parameters	Specifications	Min.	Typ.	Max.	Unit
RF Input Frequency	27 to 29	27	-	29	GHz
IF Output Frequency	3 to 5	3	-	5	GHz
Internal LO Frequency	24	-	24	-	GHz
Conversion Gain	45 typ.	-	45	-	dB
Output P1dB	28 typ.		28		dBm
Psat	18 typ.		18		dBm
Reference Frequency	10	-	10	-	MHz
Reference Input Power	+3 to +7 typ.	+3	+5	+7	dBm
Supply Voltage ^{1,3}	+12Vdc Supply typ.		+12		Vdc

1. SN or PN may differ from actual unit. Please refer to outline on page 3 for more details.

2. Open and short-circuit loads are not recommended at the mixer output. Ensure proper 50 Ohm load before turning the mixer "ON".

Absolute Maximum Ratings	
Parameter	Ratings
Operating Temperature	-10°C to +45°C
Storage Temperature	-40°C to +100°C
Reference Input Power	+10dBm
RF Input Power (CW)	+10dBm
DC Operating Voltage	+12Vdc

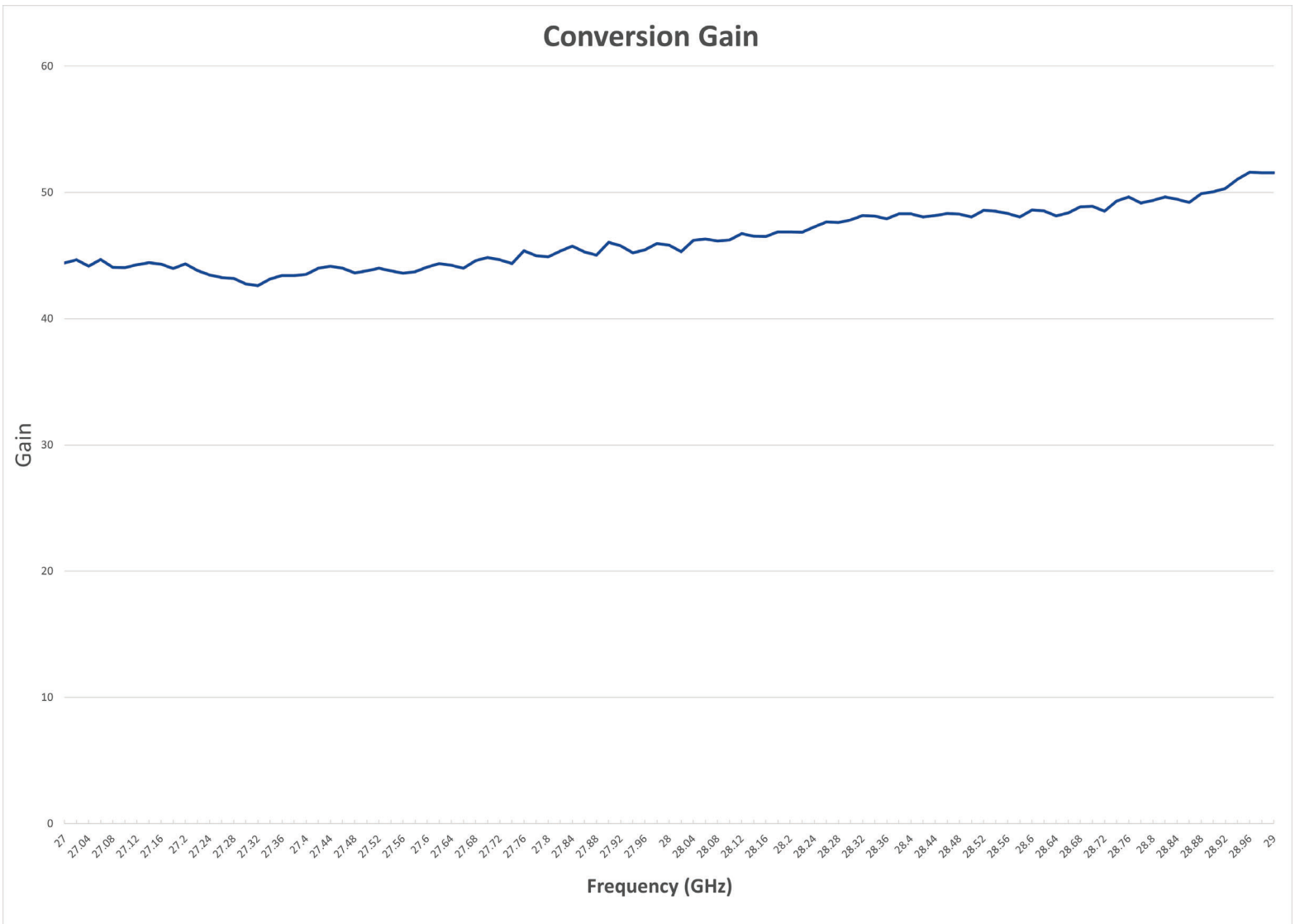
*Permanent damage may occur if any of these are exceeded.

Biasing Up Procedure	
Step 1	Apply External Reference
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 External Reference

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Conversion Gain (dB)



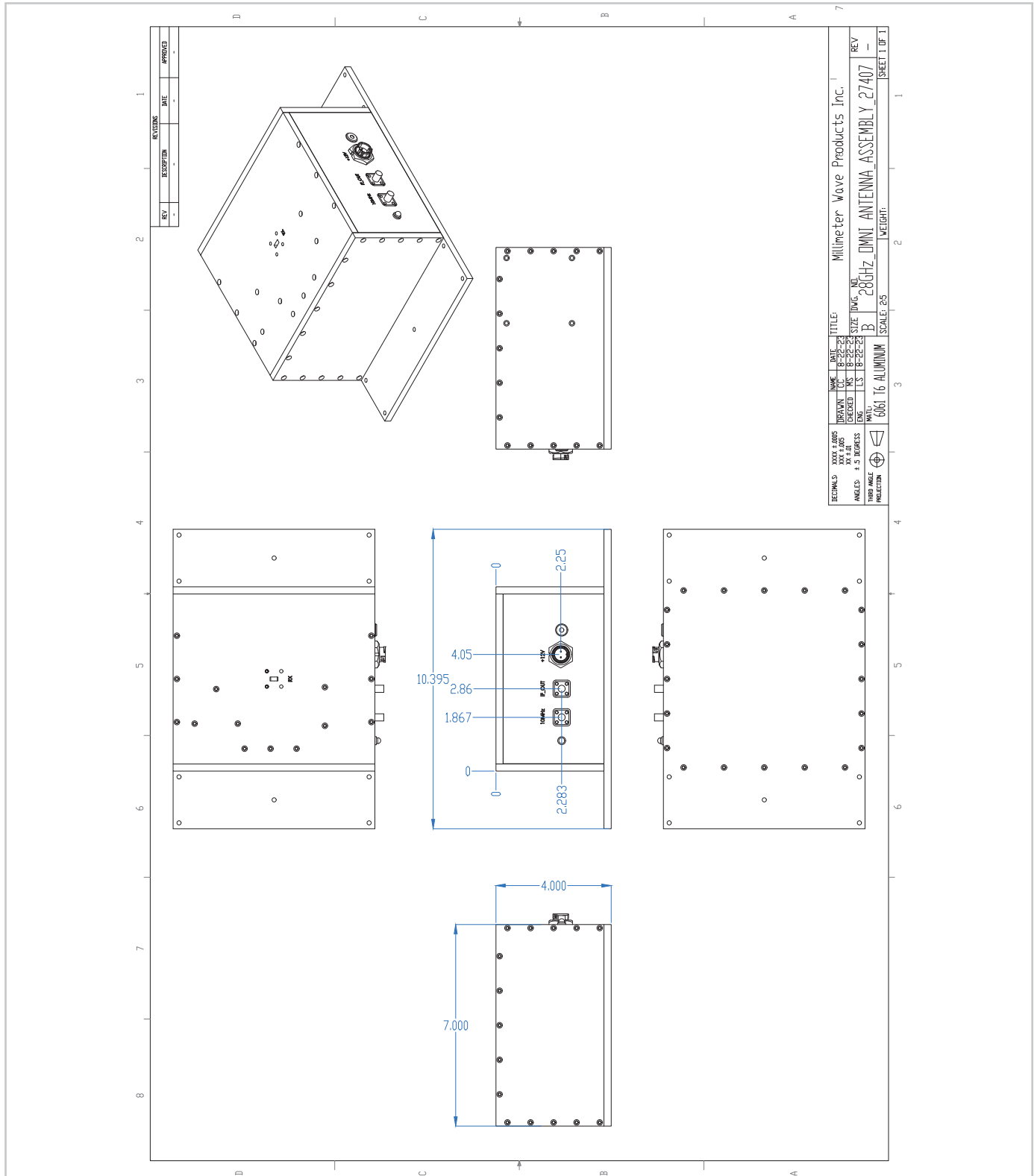
Tested By: AN

Date: 09/21/2023

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Outline Drawing



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