



Amplifier Specification

Customer:
Contact:
Customer Doc#:

Quote#:
Date: 4/4/2019
Aldetec P/N: ALS04323
Rev.: C

Parameter		Units	Specification	Comments
Frequency Range:		GHz	6 - 18	
Small Signal Gain:		dB	20.0 +/-0.5	From Best Fit Line
Gain Flatness:		dB	+/-0.75db max.	
Gain Variation OT:		dB	+/-1.0db max.	
Noise Figure:		dB	5.0db max.	4.0db typical at +85C
Output Power (P-1)		dBm	20dbm Min.	
IP3:		dBm	+30dbm Typical	
VSWR	Input	Ratio :1	2.0:1	
	Output	Ratio :1	2.0:1	
Input Power Handling		dbm	+25dbm	Includes Limiter
Supply Voltage		Volts	+10Vdc	
Current		mA	200 max.	
Operating Temperature		deg C	-40 to +85C	
Storage Temperature		deg C	-54 to +125C	
Case Type			XS-3L	Laser Seal
Connector Type		In	SMA-F	
		Out	SMA-F	

Environmental Screening - Per Mil-STD-202F " GBNT-Guaranteed But Not Tested" Unless Noted

Military Spec. - In Accordance

Mil-STD-883F Hybrid Microcircuit design, testing, and screening (As required)

Inspection System: Mil-I-45208A

Finish And Labeling:

Mil-Spec Paint - Aldetec Green, Label to include Aldetec P/N, Customer P/N

Serial Number, Date Code, Input/Output and Supply Voltage.

Final Acceptance Testing

All units to be provided with Standard Aldetec Acceptance Data: Gain, Noise figure,

Power, VSWR In/Out , and Current at +25 deg C.