



## Amplifier Specification

Customer: NETS

Quote#: QV15972

Contact: Cornes Tech

Date: 10/23/2012

Customer Doc#: TPS-A-2510 or TPA-A-2510

Aldetec P/N: ALS04115 Rev.A

Parameter		Units	Specification	Comments
Frequency Range:		GHz	0.5 - 2.0 GHz	Comply
Small Signal Gain:		db	30 - 34	Comply
Gain Flatness:		db	+/-1.25	Comply
Gain Variation OT:		db	1.0db Max.	Comply
Noise Figure:		db	1.5	Comply
Output Power ( 1db)		dbm	+10	Comply
IP3		dbm	+23 typ.	Comply
Harmonics		dbc	-10 (@ +5 dbm input)	Comply
VSWR	Input	Ratio :1	2.0:1	Comply
	Output	Ratio :1	2.0:1	Comply
Input Power Handling		dbm	+16 CW	Comply
Supply Voltage		Volts	+12V +/-5%	Comply
Current		ma	200 Max.	Comply
Operating Temperature		deg C	-25 to +70 degC	-30 to +70C Non-Op (Comply)
Case Type			L-2	
Connector Type		In	SMA-F	
		Out	SMA-F	

**Environmental:**

(Screening is considered GBNT. If testing required please contact factory for pricing).

Humidity: 95% RH at +45 degC

Operating Vibration: 100mm Peak to Peak at 2-14 Hz, 4.0G at 14-50 Hz

Shock: 20G at 11ms (non-operating)

**Finish And Labeling:**

Green paint. Label to include Aldetec P/N, Customer P/N: TPA-A-2510

Customer Part Number to be specified on PO

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.

\*Certificate of Compliance to be provided.

\*\*Inspection System: Mil-I-45208A