

## 8GHz - 18GHz SDLVA Specification

Aldetec P/N: ALS05652-SPEC **REV C**

Release Date: 9/23/2024

Customer: \_\_\_\_\_

PREPARED BY \_\_\_\_\_

Parameter	Units	Specification	Comply	
Frequency Range:	GHz	8 -18	YES	
Logging Range:	dBm	-70 to 0	YES	
TSS:	dBm	-73 typ.	YES	
Log Linearity @ +25C	dB	+/- 1.5	YES	
Log Linearity @ -40C to +85C	dB	+/- 2.0	YES	
Log Slope	mV/dBm	60 +/- 3	YES	
Video Flatness vs. Frequency	dB	+/- 2.0	YES	
Video Output Level	V	0 to 4.5	YES	
Video Output Load	Ohms	100	YES	
Offset Voltage	mV	<b>0 -150mV (120mV Goal)</b>	YES	
Rise / Fall Time	ns	20	YES	
Recovery Time	ns	300 typ. 500 max	YES	
Settling Time	ns	50	YES	
Input Power Handling	dBm	+20 CW	YES	
VSWR	RF Input	Ratio :1	2.0:1	YES
	Output	Ratio :1	N/A	No RF Output Port
Supply Characteristics:	Volts	+15 VDC	YES	
	mA	500 mA	YES	
Operating Temperature	deg C	-40C to +85C	YES	
Storage Temperature	deg C	-54 to +125C	YES	
Package Outline:		ALS05652-OL	YES	
Connectors, RF IN / Video OUT	In / Out	SMA-Female	YES	

See Test Data Sheet, ALS05652-TDS, for Over Temperature Data requirements

**Finish And Labeling:**

Mil-Spec Paint - Aldetec Black, Label to include Aldetec P/N, RF In, Video Out, Voltage, & Ground Serial Number, Date Code,

\*Certificate of Compliance provided.

**Military Spec.:**

Mil-STD-883 for Hybrid Microcircuits  
Hybrid screening in accordance with MIL-STD-202