

Applications

- Radar systems
- Navigation systems
- Laboratory measurement and test equipment
- Telecommunications and Data communications
- Military and instrumentation systems
- Other commercial applications



Features

- Advanced microwave hybrid integrated circuits technology
- Frequency range from 0.5 to 18GHz
- Superior Log Linearity
- Wide dynamic range
- Wide Bandwidth
- Low Current Consumption
- DC-Coupled DLVAs
- High performance, high reliability and high repeatability
- Compact size and light weight
- Custom design available

S-Series

MODEL	Freq. Range (GHz)	TSS (dBm) Typ.	Linearity (\pm dB) Max	Dynamic Range (dBm)	Log Linearity (\pm dB) Max	VSWR Max.	Outline
DLVA-0520S41TA	0.5-2	-42	2	-39 ~ +5	1.0	2.0:1	A1
DLVA-0560S41TB	0.5-6	-41	2	-38 ~ +5	1.0	2.5:1	A1
DLVA-0518S42TA	0.5-18	-40	2	-37 ~ +5	1.0	3.5:1	A1
DLVA-2040S42TA	2-4	-42	2	-39 ~ +5	1.0	2.0:1	A1
DLVA-2080S41TA	2-8	-42	2	-39 ~ +5	1.0	2.5:1	A1
DLVA-2018S41TA	2-18	-41	2.5	-38 ~ +5	1.0	3.0:1	A1
DLVA-4080S42TA	4-8	-42	2.5	-39 ~ +5	1.0	2.5:1	A1
DLVA-6012S41TA	6-12	-42	2.5	-39 ~ +5	1.0	2.5:1	A1
DLVA-6018S42TA	6-18	-42	2.5	-39 ~ +5	1.0	2.5:1	A1
DLVA-8012S41TA	8-12	-42	2.5	-39 ~ +5	1.0	2.5:1	A1
DLVA-8018S41TA	8-18	-42	2.5	-39 ~ +5	1.0	2.5:1	A1
DLVA-1218S42TA	12-18	-42	2.5	-39 ~ +5	1.0	2.5:1	A1



DETECTOR LOG VIDEO AMPLIFIERS (DLVA)

The content of this specification may change without notification 8/20/2011



D-Series

MODEL	Freq. Range (GHz)	TSS (dBm) Typ.	Linearity (±dB) Max	Dynamic Range (dBm)	Log Linearity (±dB) Max	VSWR Max.	Outline
DLVA-0520D75N	0.5-2	-72	2	-70 ~ + 5	1.0	2.2	A3
DLVA-2060D75N	2-6	-72	2	-70 ~ + 5	1.0	2.2	A3
DLVA-4080D74N	4-8	-72	2	-70 ~ + 5	1.0	2.2	A3
DLVA-1018D68N	1-18	-68	2.5	-65 ~ + 5	1.0	2.2	A3
DLVA-2018D68N	2-18	-68	2.5	-65 ~ + 5	1.0	2.2	A3
DLVA-6012D73N	6-12	-72	2	-70 ~ + 5	1.0	2.2	A3
DLVA-6018D72N	6-18	-72	2	-70 ~ + 5	1.0	2.2	A3
DLVA-8018D72N	8-18	-72	2	-70 ~ + 5	1.0	2.2	A3
DLVA-1218D72N	12-18	-72	2	-70 ~ + 5	1.0	2.2	A3

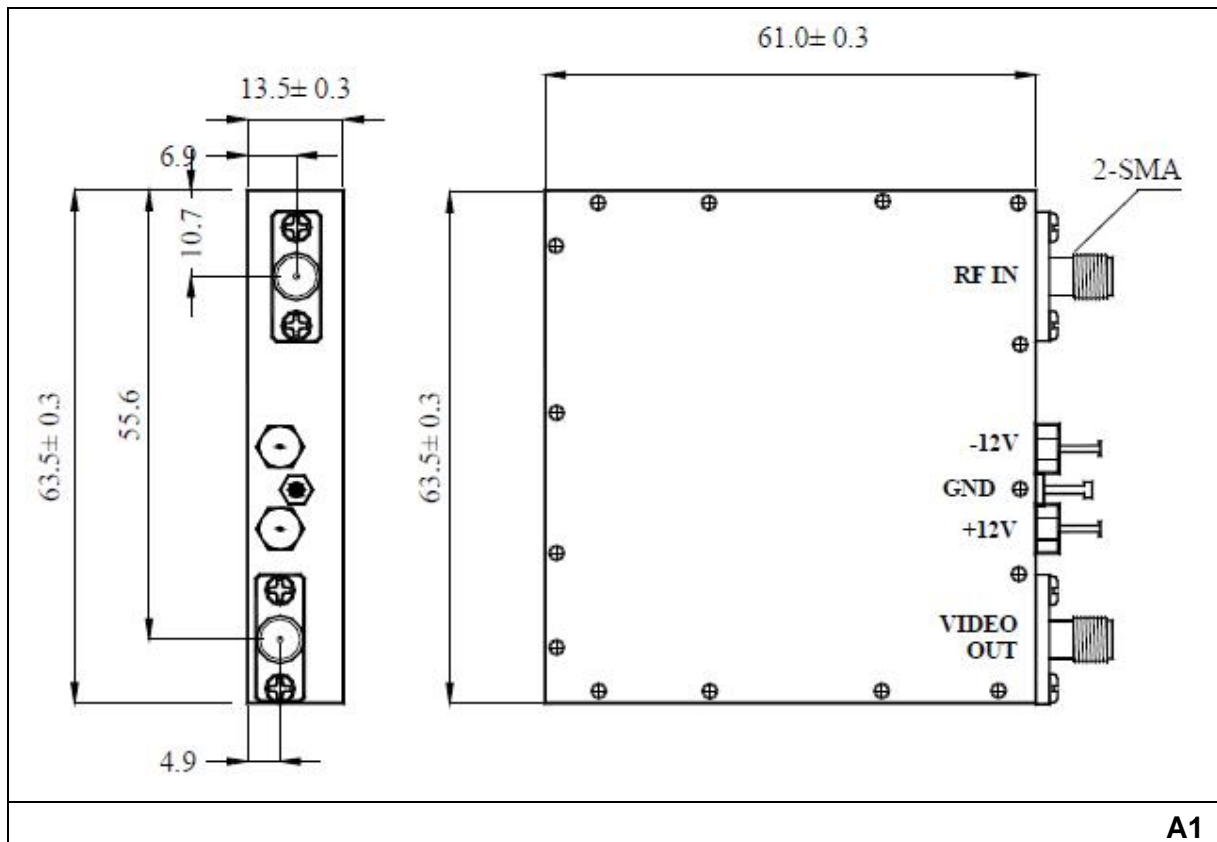
Laser Sealing-Series

MODEL	Freq. Range (GHz)	TSS (dBm) Typ.	Linearity (±dB) Max	Dynamic Range (dBm)	Log Linearity (±dB) Max	VSWR Max.	Outline
DLVA-2060D72NS	2-6	-72	2	-70 ~ + 5	1.0	2.2	A2
DLVA-2080D72NS	2-8	-72	2	-70 ~ + 5	1.0	2.2	A2
DLVA-4080D72NS	4-8	-72	2	-70 ~ + 5	1.0	2.2	A2
DLVA-6018D72NS	6-18	-72	2	-70 ~ + 5	1.0	2.2	A2

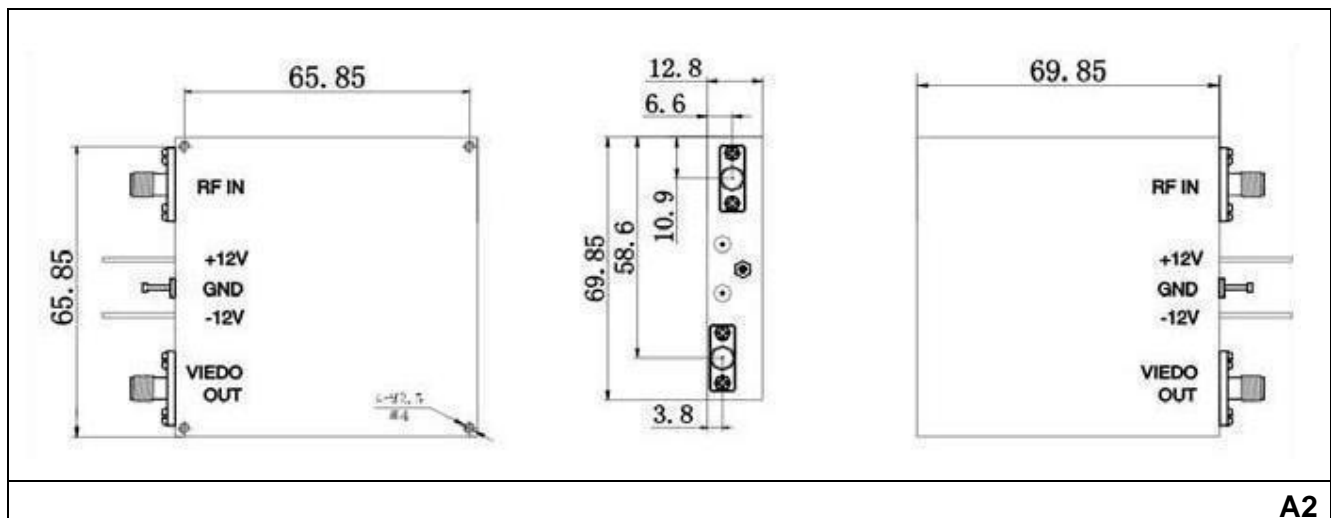
General Specifications:

Rise Time: 29ns (TYP)
 Delay Time: <30ns
 Log Slope: 50mV/dB
 Maximum CW Input (No Damage): ≤+20dBm
 Recovery Time: 500ns (@+5dB0)
 Work Temperature: -55°C ~ +85°
 Power Supply: ±12V DC or ±15V

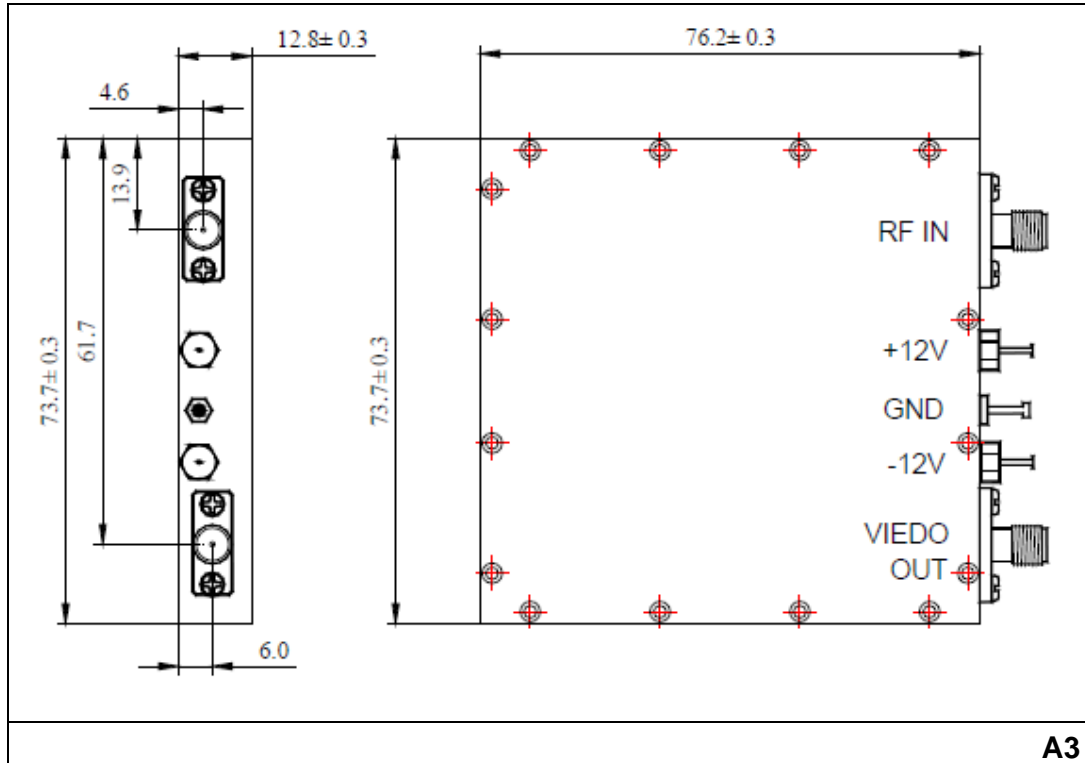
Outline Drawing (size: mm)



A1



A2



How To Order – DLVA

