

## Amplifier DLVA

### FEATURES:

- ❖ Frequency Range: 0.5-18GHz
- ❖ High Dynamic Range
- ❖ Compact Size
- ❖ Good Linearity
- ❖ Precision, Reliability and Repeatability
- ❖ Economically Priced



**CDL Series**

### SPECIFICATIONS:

RF input max..... 20dBm  
 DC..... Coupled  
 Slope..... 50mV/dB  
 Rise Time (10% ~ 90%)..... 27ns, Typ  
 Falling time..... 200ns  
 Recovery time..... 250ns  
 Offset..... -50mV ~ 150mV  
 Base noise..... 200mV  
 Video load..... 50ohm or 100 ohm  
 Connector..... SMA  
 Operate temperature..... -55 ~ +85°C  
 We can provide all kinds of DLVA by Customer's request

Model Number	Frequency Range (GHz)	Tss(TYP) (dBm)	Dynamic Range (dBm)	Flatness (±dB)	Linearity (±dB)	VSWR	Current (mA)	Package
CDLU5027073	0.5-2.0	-70	73 (-68 ~ +5)	2	1	2.2	+12V ~ 230mA -12V ~ 80mA	DL-A3
CDL02047073	2.0-4.0	-70	73 (-68 ~ +5)	1.5	1	2.2	+12V ~ 250mA -12V ~ 80mA	DL-A1
CDL02067073	2.0-6.0	-70	73 (-68 ~ +5)	2	1	2.2	+12V ~ 250mA -12V ~ 80mA	DL-A1 DL-A3
CDL02087073	2.0-8.0	-70	73 (-68 ~ +5)	2	1	2.2	+12V ~ 230mA -12V ~ 80mA	DL-A1
CDL02187073	2.0-18.0	-70	73 (-68 ~ +5)	2.5	1	2.2	+12V ~ 320mA -12V ~ 80mA	DL-A1
CDL04087073	4.0-8.0	-70	73 (-68 ~ +5)	2	1	2.2	+12V ~ 250mA -12V ~ 80mA	DL-A1
CDL06187073	6.0-18.0	-70	73 (-68 ~ +5)	2	1	2.2	+12V ~ 320mA -12V ~ 80mA	DL-A1

OTHER FREQUENCIES ARE ALSO AVAILABLE.

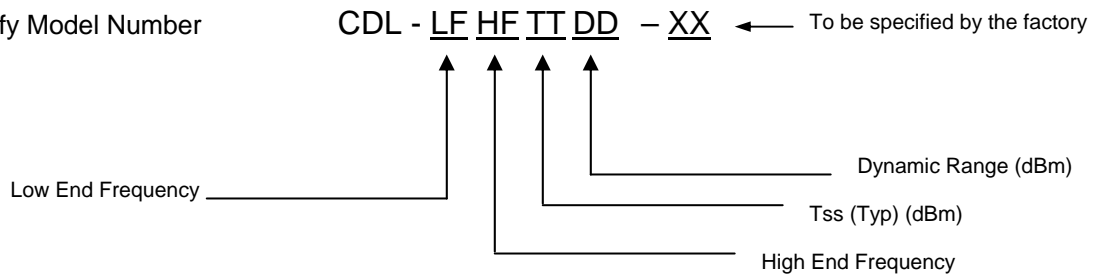
\*CONSULT THE FACTORY

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### HOW TO ORDER:

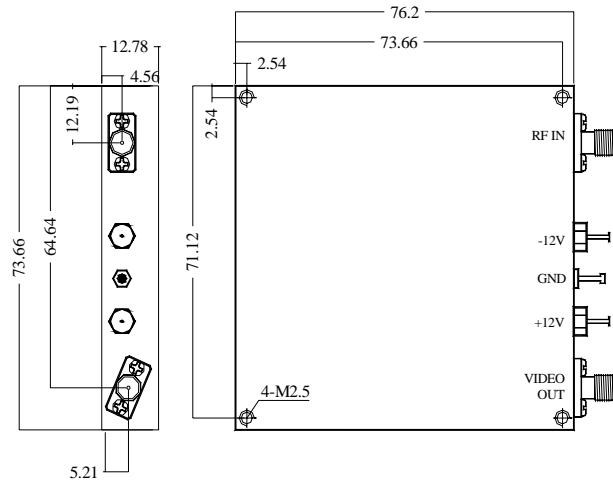
Specify Model Number



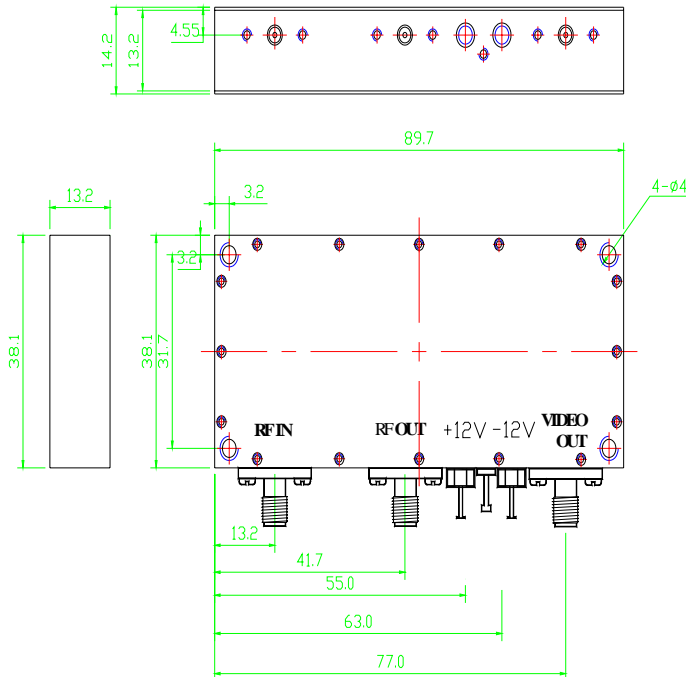
**Example:** To order a CDL with Low End Frequency at 6.0 GHz and High End Frequency at 18.0 GHz with Tss 70 dBm and Dynamic range 73 dBm, specify CDL06187073-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

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**DL-A1**



**DL-A3**