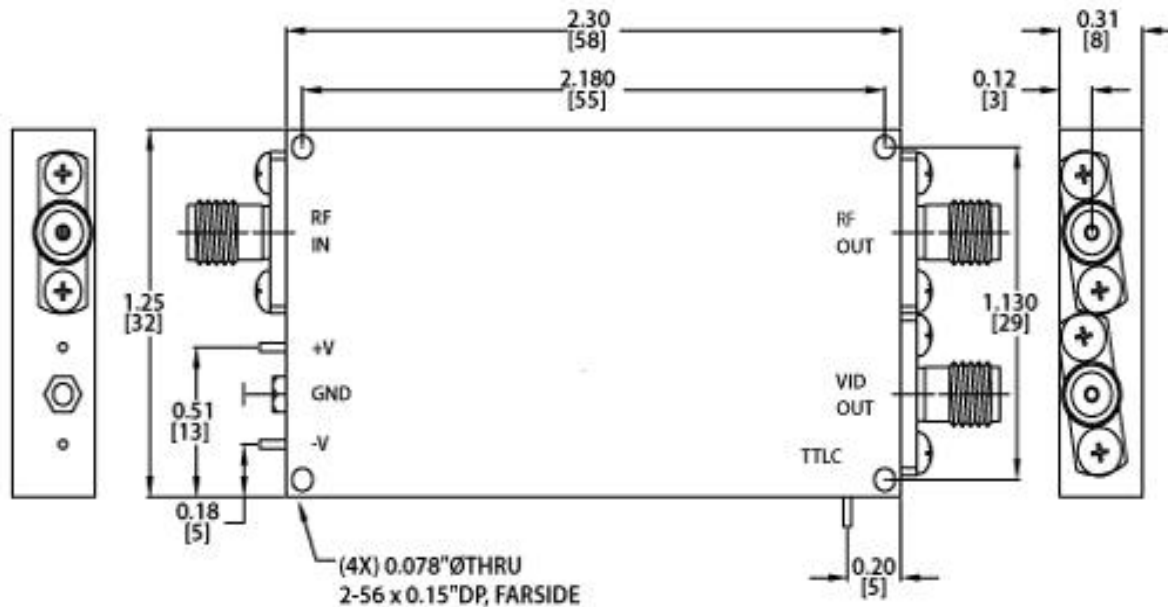


SDL-1G18G-20-50 is a high performance, high dynamic range DLVA with smart size, which ensures itself could be used in various receiving applications. Main features as listed:

- 1). frequency range: 1G~18G
- 2). dynamic range -68 to +5dBm
- 3). logging slop: 50mV/dB, or consult factory if customize
- 4). compact size

Mechanical Outline:




Specifications:

Frequency: 1 to 18GHz
 Dynamic Range: -68 to 5 dBm
 Max input WO damage: +20dBm
 Rise time: 9nsec typ 12nsec max
 Fall time: 12nsec typ 20nsec max
 Recover time: 80nsec max
 Input VSWR: 2.5:1 max
 Log slope: 50mV/dB (or consult factory if customize)
 Log Accuracy: ±1.5dB max
 Load Impedance: 100ohm
 Power supply : 350mA @ +12V 100mA @ -12V
 TSS: -70dBm max
 Pulse Reponse: 25nsec to 100us
 Baseline noise: 30mV RMS
 DC offset: 100±75mV
 RF output:
 Linear gain: 40dB typ
 Limiting output: +5 to +10dBm
 Connector: SMA female
 Material: stainless steel

Environmental Ratings:

Temperature: -40°C to +80 °C Operating
 -65 °C to +100 °C Non-Operating
 Vibration: MIL-STD-810F, Method 514.5 Cond. B
 Altitude: MIL-STD-202F, Method 105C Cond. B
 Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

SDL-1G18G-20-50		
DRAWN:	REV CODE : 152221	SCALE : N / A
CHECKRD:	DATE: 12/01/13	SIZE: A
ISSUED:	DWG NO.:	SHEET : 1 OF 1



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