



Time & Frequency Distribution Amplifier

AD40A-01*

Inputs	
1PPS, Have Quick & GPS Status	RS-422
10MHz	Sine wave / +2 to +3dBm
DC Power	See description at Power Supply section

Outputs (10 outputs of each)													
1PPS	ICD-GPS-060 / 100Ω												
1PPS	RS-422												
Have Quick	ICD-GPS-060 / 100kΩ												
Have Quick	RS-422												
GPS Status	RS-422												
10 MHz	Sine Wave / 50Ω / +2 to +3dBm												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0ffff;"> <th style="width: 50%;">Offset</th> <th style="width: 50%;">Phase Noise (dBc/Hz)</th> </tr> </thead> <tbody> <tr> <td>@100Hz</td> <td>-100</td> </tr> <tr> <td>@1kHz</td> <td>-110</td> </tr> <tr> <td>@10kHz</td> <td>-120</td> </tr> <tr> <td>@60kHz</td> <td>-130</td> </tr> <tr> <td>@100kHz</td> <td>-135</td> </tr> </tbody> </table>	Offset	Phase Noise (dBc/Hz)	@100Hz	-100	@1kHz	-110	@10kHz	-120	@60kHz	-130	@100kHz	-135
Offset	Phase Noise (dBc/Hz)												
@100Hz	-100												
@1kHz	-110												
@10kHz	-120												
@60kHz	-130												
@100kHz	-135												
	Harmonics: <-40dBc Spurious: <-80dBc * Spectral Purity and Signal Level of the outputs depends on Spectral Purity and Signal Level of input.												

Front Panel LED's
Power, GPS Status, 1PPS Input, Have Quick Input, 1PPS Output, Have Quick Output

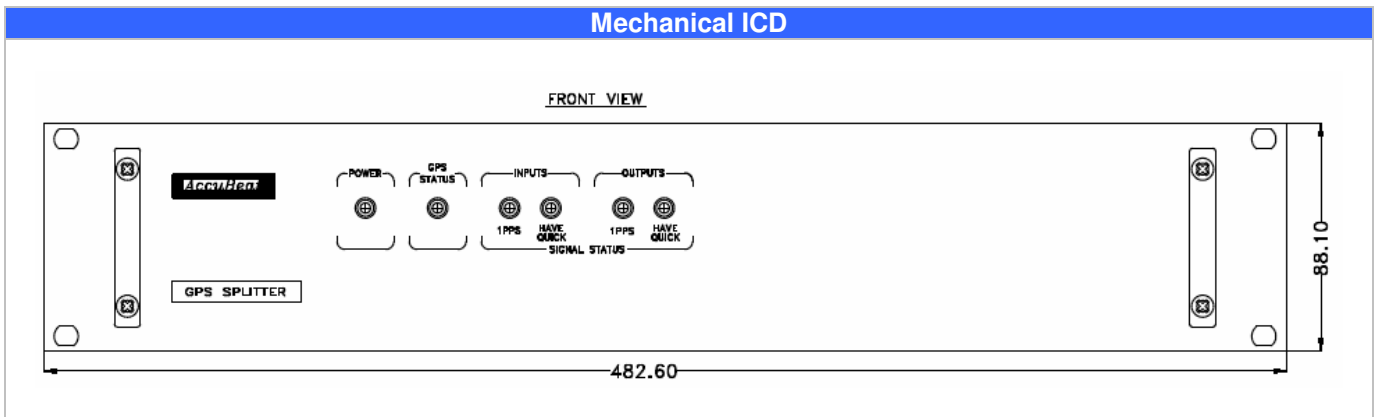
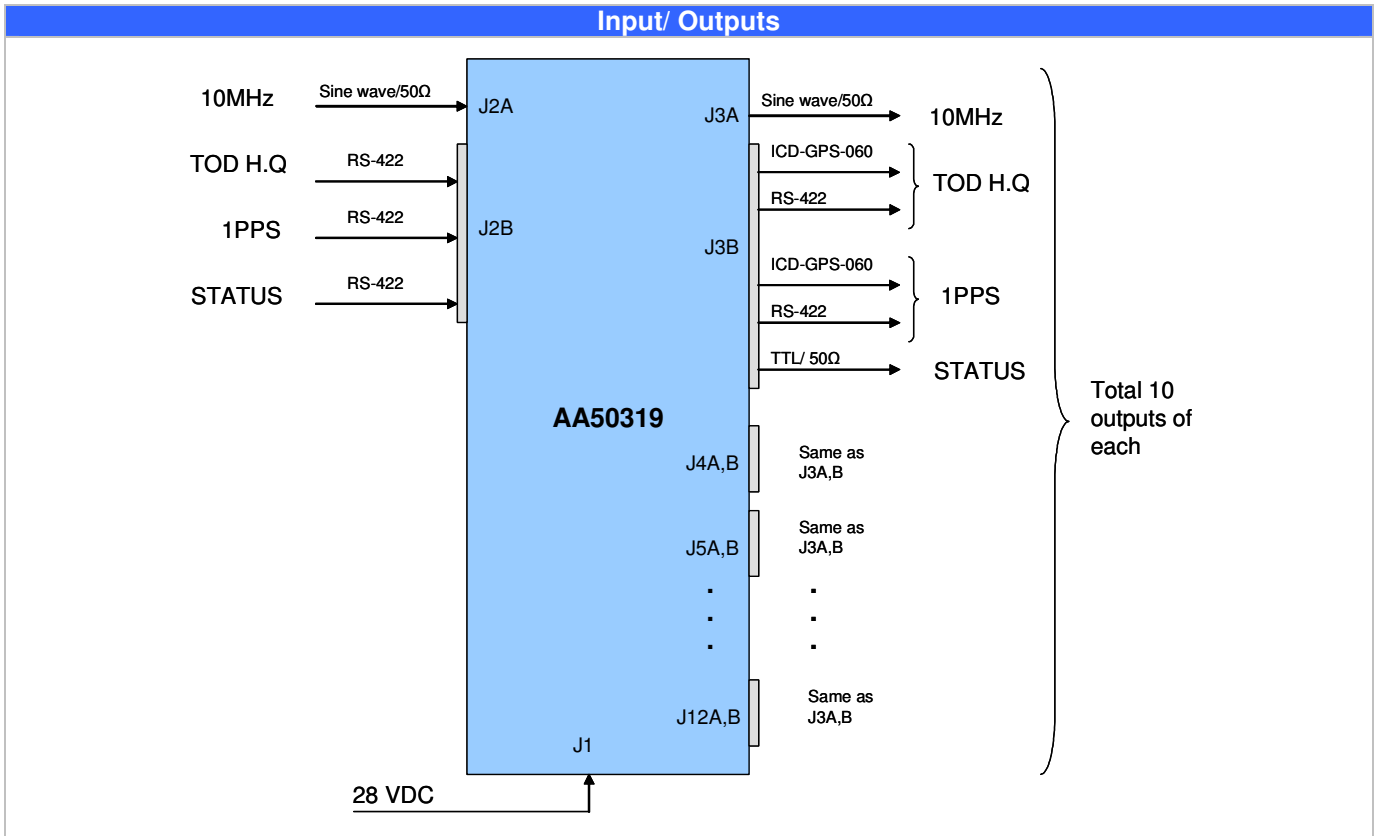
DC Power Supply	
Operating Voltage	18 - 32 Vdc (28Vdc Typ)
Power	<10W

Environmental	
Temperature operating	0°C to +50°C
Temperature storage	-21°C to +71°C
Humidity	Up to 95% at 35°C, non-condensed
Vibration	MIL-STD-810D, Method 514.3
Shock	MIL-STD-810C, Method 516.2, Proc. I (7.5g / 30mSec / Half sine)
Bench Handling	MIL-STD-810C, Method 516.2, Proc. V

Mechanical	
Weight	<4 kg
Dimensions	Width 19" / Height 3.5" (2U) / Depth 14"

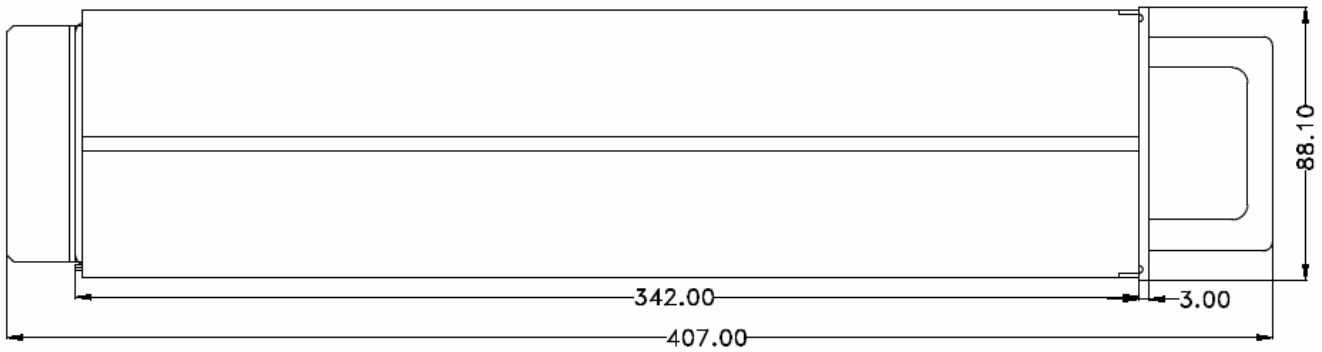
All specs are at room temperature, quiescent conditions, sea level ambient unless otherwise specified

*** Used to be called AA50319**

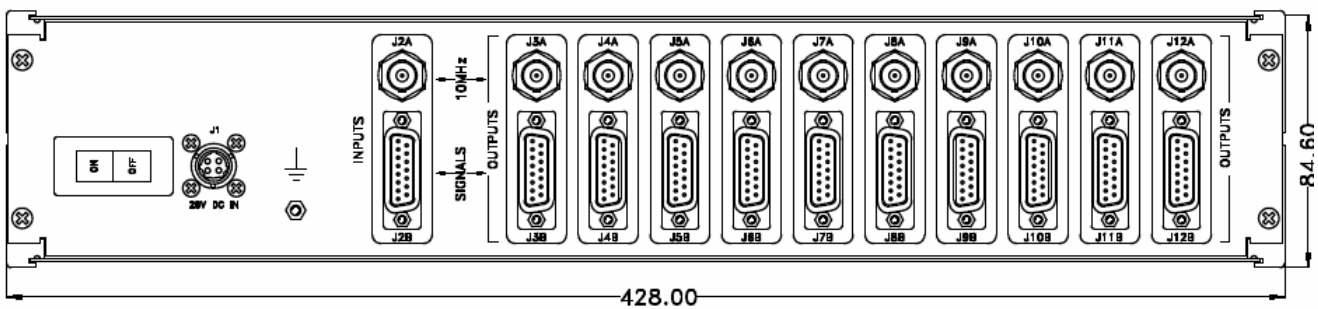


Mechanical ICD (continue)

SIDE VIEW



BACK VIEW



HOW TO ORDER

OPTIONS NAME	AccuBeat P/N:	Note
10 MHz output level +8 to +10dBm	By description	
10 MHz output jitter < 6 ps	By description	

AccuBeat Ltd, 5 Ha'Marpeh St., Har Hotzvim, P.O.Box 45012, Jerusalem 91450, Israel
Tel: +972-2-5868330, Fax: +972-2-5868550, E-Mail: marketing@accubeat.com
<http://www.accubeat.com>