

## Product Overview

*The MPDS1C2X is a multi outputs driver based on DDS (Direct Digital Synthesizers) which offer high frequency accuracy and stability. Each DDS operates with a common clock reference so that they provide phase locked output signals when driven at same frequency. The frequency and power are driven through USB/RS232 communication. External control signals allow user for fast AM control of the outputs. Embedded power amplifiers up to 4 watts per output. For higher power, AA will provide external power amplifiers.*

### Features

- Phase Locked Outputs
- 2 Outputs
- Analog + Digital AM controls + USB/RS232 (FM+AM)
- RoHS

### Applications

High stability low frequency shifters, Multi-transducers AOMs/AODs, Multi modulators...

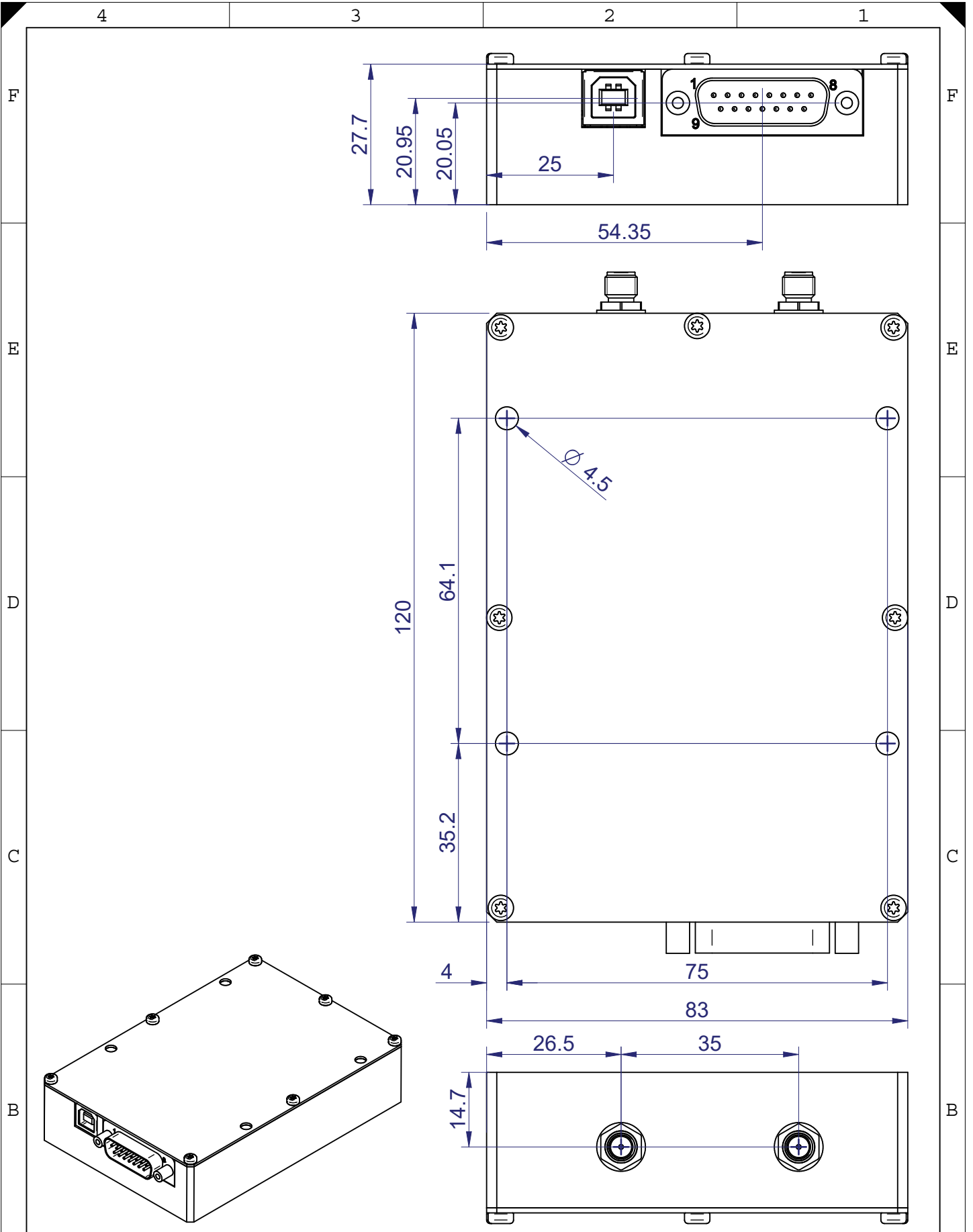


OEM version, MPDS1C2X

## Technical Specifications

Parameter	Units	
Number of outputs (X)		2
Reference clock		Internal Common Reference
Frequency range (MHz)	MHz	in [20-275]
Frequency Stability	ppm/°C	Nom +/- 1
Frequency Accuracy / frequency step	KHz	nom 1
Frequency control		USB/RS232
Output RF Power (@1dB compression)	W	Up to 4 watts/output with embedded amplifier (more power with external amp)
Power Supply OEM version	VDC	24 – nom 1.5A / 4W / output
Power Supply Laboratory version	VAC	110 – 230
External Modulation Input Controls (AM)	V	Analog 0-5/10kΩ (1 control per output)
External Blanking input Control (AM)	V	Digital TTL/1 KΩ (1 control per output)
Rise Time/Fall time (10-90%) < 4 watts	ns	<10 @100MHz
Output Impedance	Ω	50
VSWR		< 1.5/1
Extinction Ratio	dB	>45
Input / Output Connectors		DB15, USB / SMA
Size / Weight	mm <sup>3</sup>	83x120x27.7 (1MODD20005)
Heat Exchange		Conduction through baseplate for OEM versions
Operating Temperature	°C	10 to 40 (max Tcase 50°C)
Storage Temperature	°C	-40 to +70 Non condensing

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				Traitement /Finition: _____					
				Titre: <b>Dossier d'assemblage MPDS 1C 2X</b>					
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