

Product Overview

These drivers based on quartz oscillators, produce a fixed stable and accurate RF frequency signal. The built in amplifier delivers the necessary RF power to drive an air cooled Q-switch up to 20 W.

The RF output power can be externally modulated with a TTL and analog 0-5 V signal. Standard power supply is 24 VDC, but versions are available with 15 VDC.

Features

- Fixed frequency 27.12, 40.68, 68 and 110 MHz
- RF power up to 20 Watts
- TTL + Analog controls
- RoHS



OEM version
with Heat sink

Access to your operating manual



Technical Specifications

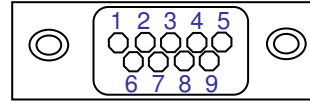
Parameter	QMODP0xx
Carrier Frequency	27.12 / 40.68 / 68 / 80 MHz
Frequency Stability	Nom +/- 1 ppm/°C
Frequency Accuracy	< 50 ppm
Output RF Power (@1dB compression)	≥ 20 W
Power Supply OEM version	24 +/- 0.5 VDC, nom 2.7A (<2.9A) (Option: 15 VDC, < 3.3 A)
Digital Control	TTL / 1 kΩ Pull down (DPC)
Analog Control	0-5 V / 10 kΩ, 5V= RF HIGH LEVEL Control (PAC)
Rise Time/Fall time (10-90%)	Nom 25 ns < 50 ns
Class	AB
Input / Output Impedance	50 Ω
VSWR	< 1.2/1
Extinction Ratio	Nom 45 dB (>40 dB)
Input / Output Connector	SMA female / DB 9
Size / Weight	129 X 61 X 53.8 mm3 / 520 g (OEM)
Heat Exchange	Conduction through baseplate for OEM versions, Heatsink + Fan A version without heatsink is also available on request
Operating Temperature	10 to 40 °C (max Tcase 55°C)
Storage Temperature	-40 to +50 Non condensing

Options / On request

POWER SUPPLY	<input checked="" type="checkbox"/> 110-230 VAC
DPC	<input checked="" type="checkbox"/> TTL Reversed
FAC	<input checked="" type="checkbox"/> Full Analog Control
RF POWER	<input checked="" type="checkbox"/> 10, 15 watts
HOUSING	<input checked="" type="checkbox"/> Without heatsink
SLOW START	<input checked="" type="checkbox"/> QMODP0S (FPS)

PIN connections

Pin 1,2,6 : GND
 Pin 4,5,9 : +VDC
 Pin 3 : Digital Input (TTL)
 Pin 7 : Analog Input PAC
 Pin 8 : Analog Input FAC



HOW TO DETERMINE THE REFERENCE OF YOUR MODEL

QMODP040.68-B5R-43-WHK

CARRIER FREQUENCY

- **27.12** 27.12 MHz
- **40.68** 40.68 MHz
- **68** 68 MHz
- **80** 80 MHz

POWER SUPPLY

- **B** 24 VDC
- **A** 15 VDC

DPC CONTROL

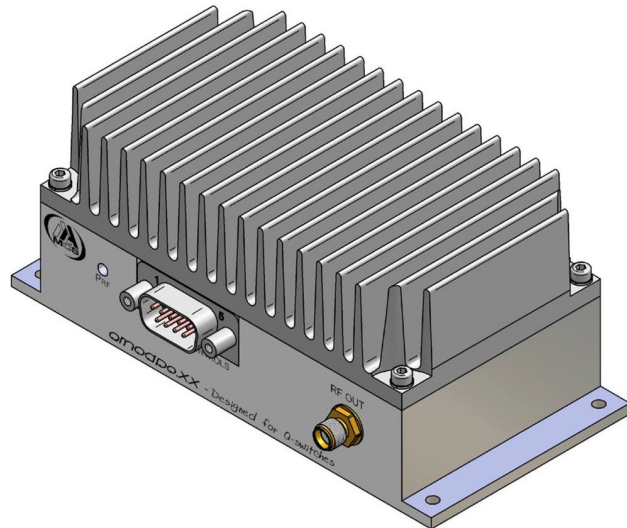
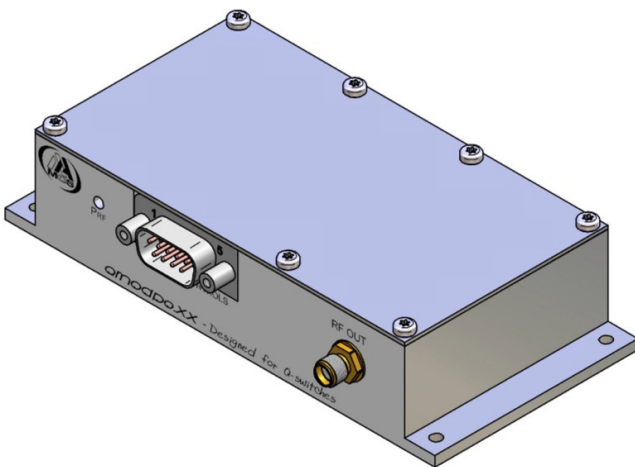
- **(-)** TTL/ 1 Kohms
- **5R** TTL Reversed/1 Kohms
- **FAC** Full Analog Control

HEATSINK

- **(-)** Including Heatsink
- **WHK** Without Heatsink

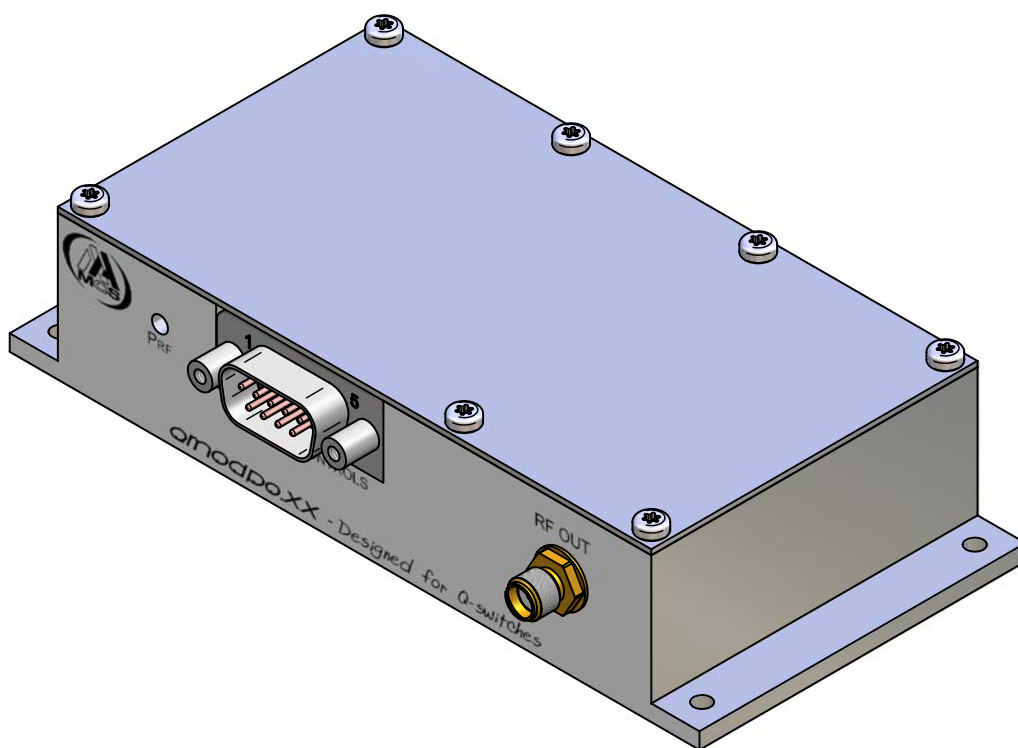
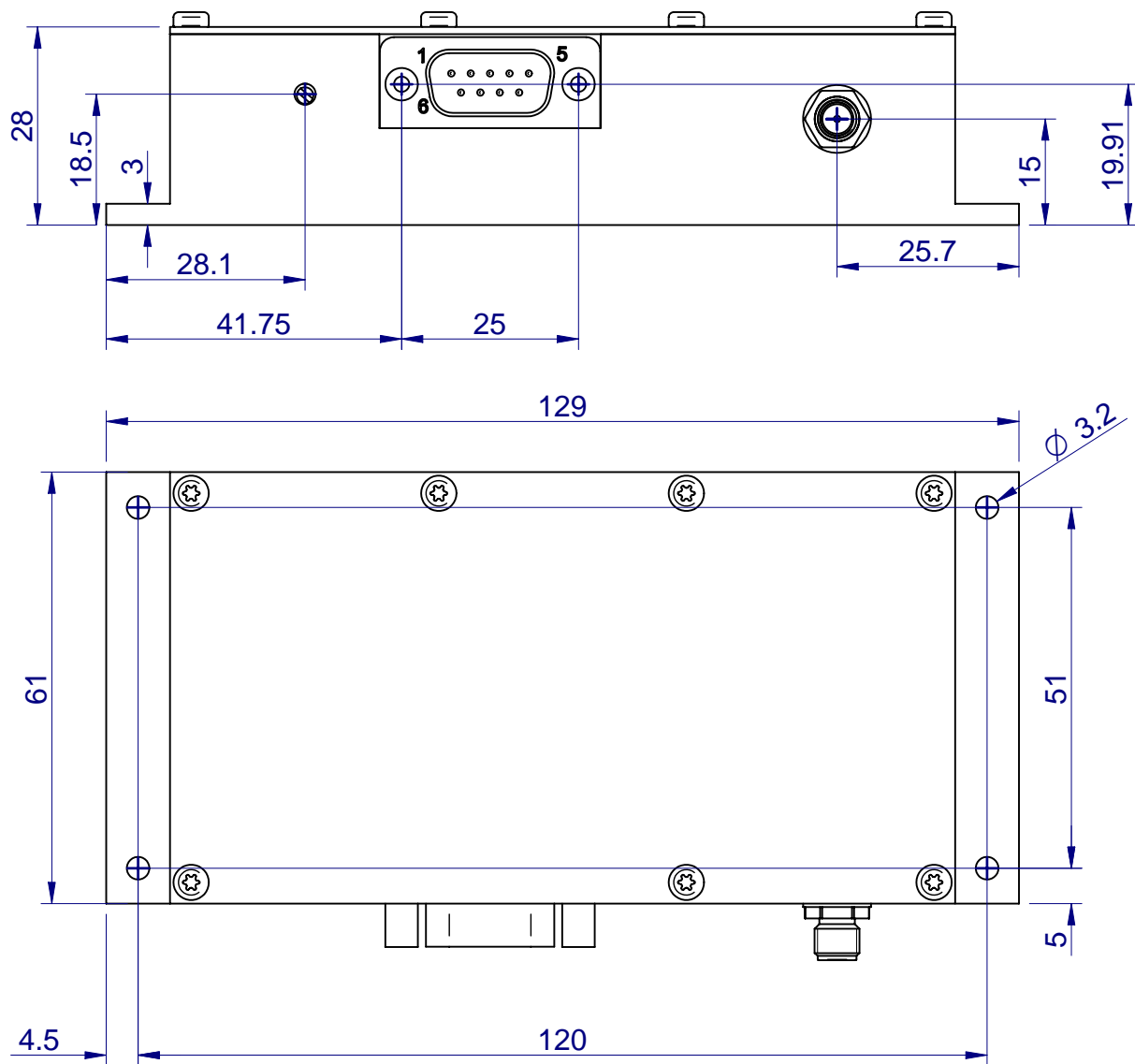
MAX RF POWER

- **40** 10 Watts
- **42** 15 Watts
- **43** 20 Watts



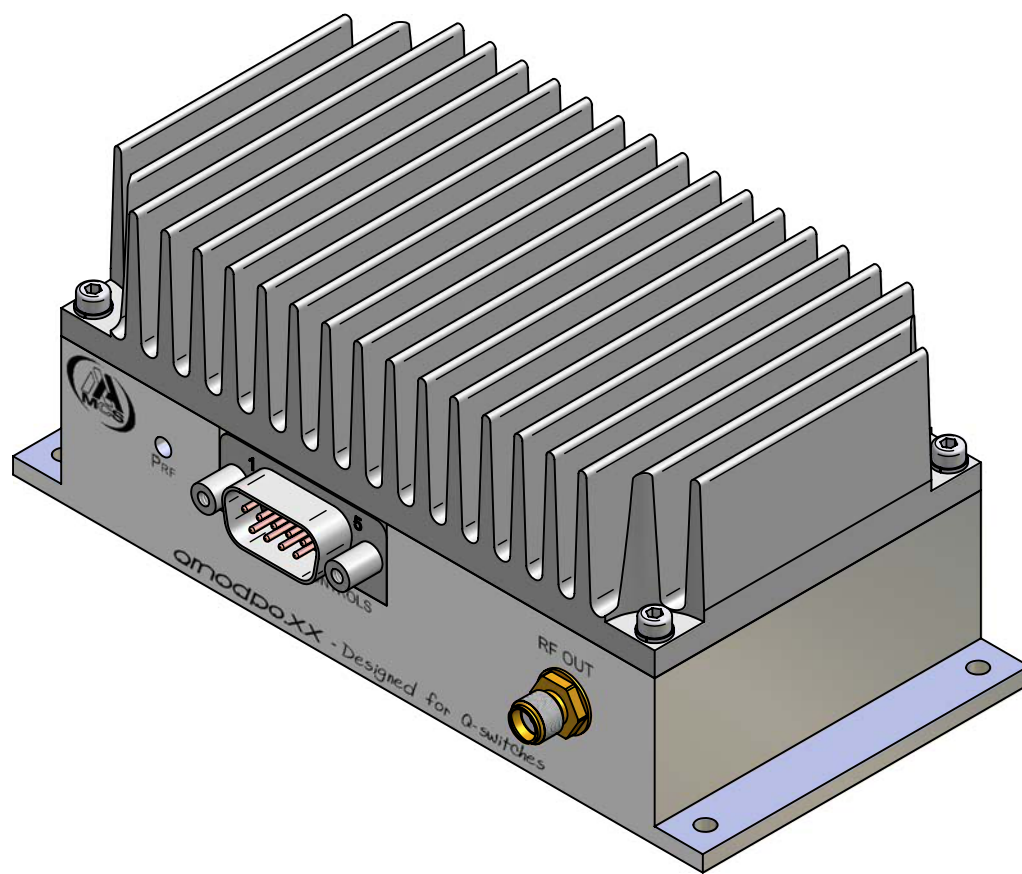
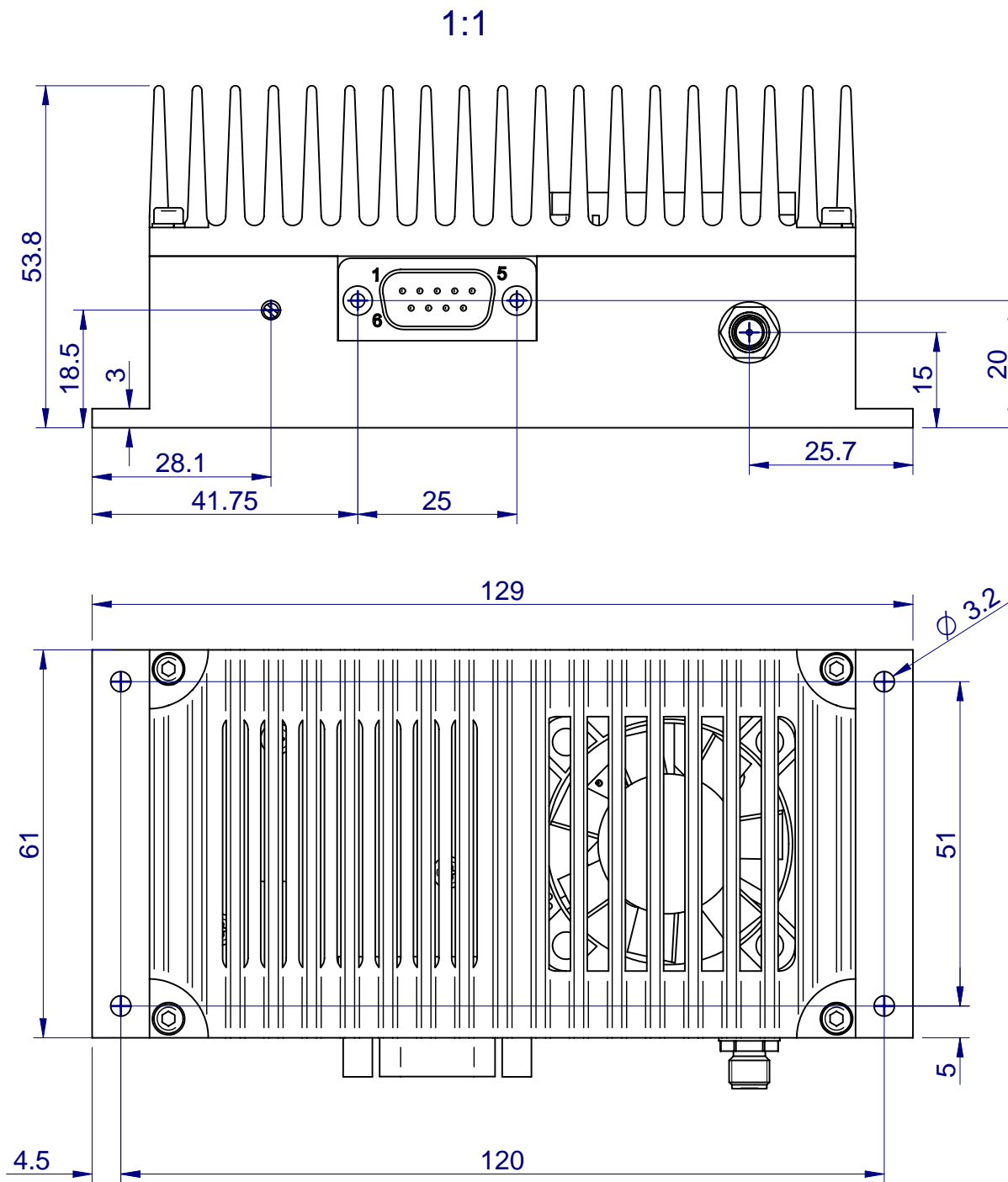
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				<u>Dessiné par</u>		<u>Vérifié par</u>		Cotes après traitement sauf contre indications		Tolérances: ±0.1mm ∠ ±1° √ 3.2µm	
				Nom: THEVOT N.							
				Date: 01/08/2007							
				Matière:							
				Traitement /Finition:							
				Titre: QMOD0x - Wtbut Heatsink							
0	Création	01/08/07	T.N	N° 1MODQ07015.0055		Ech:					
Ind.	Description	Date	Visa	Plan Vue d'ensemble		Page 1/1					

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				Dessiné par		Vérifié par		Cotes après traitement sauf contre indications	Tolérances: ±0.1mm ∠ ±1° √ 3.2μm
				Nom: THEVOT N.					
				Date: 01/08/2007					
				Matière:					
				Traitement /Finition:					
				Titre: QMODBx up to 20W					
0	Création	01/08/07	T.N	N°	1MODQ07018.0055		Ech:		
Ind.	Description	Date	Visa	Plan	Vue d'ensemble		Page 1/1		