

QMODxxP2 2-20W

Q-switch driver

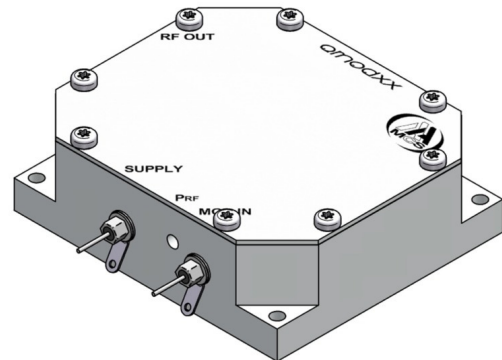


- Class A • Fast Fall time • Compact OEM design
- Up to 20 Watts

These drivers based on quartz oscillators. They produce a fixed stable and accurate RF frequency signal. The built-in amplifier delivers the necessary RF power to drive a high power water cooled Q-switch.

The RF output power can be externally modulated with various different signals.

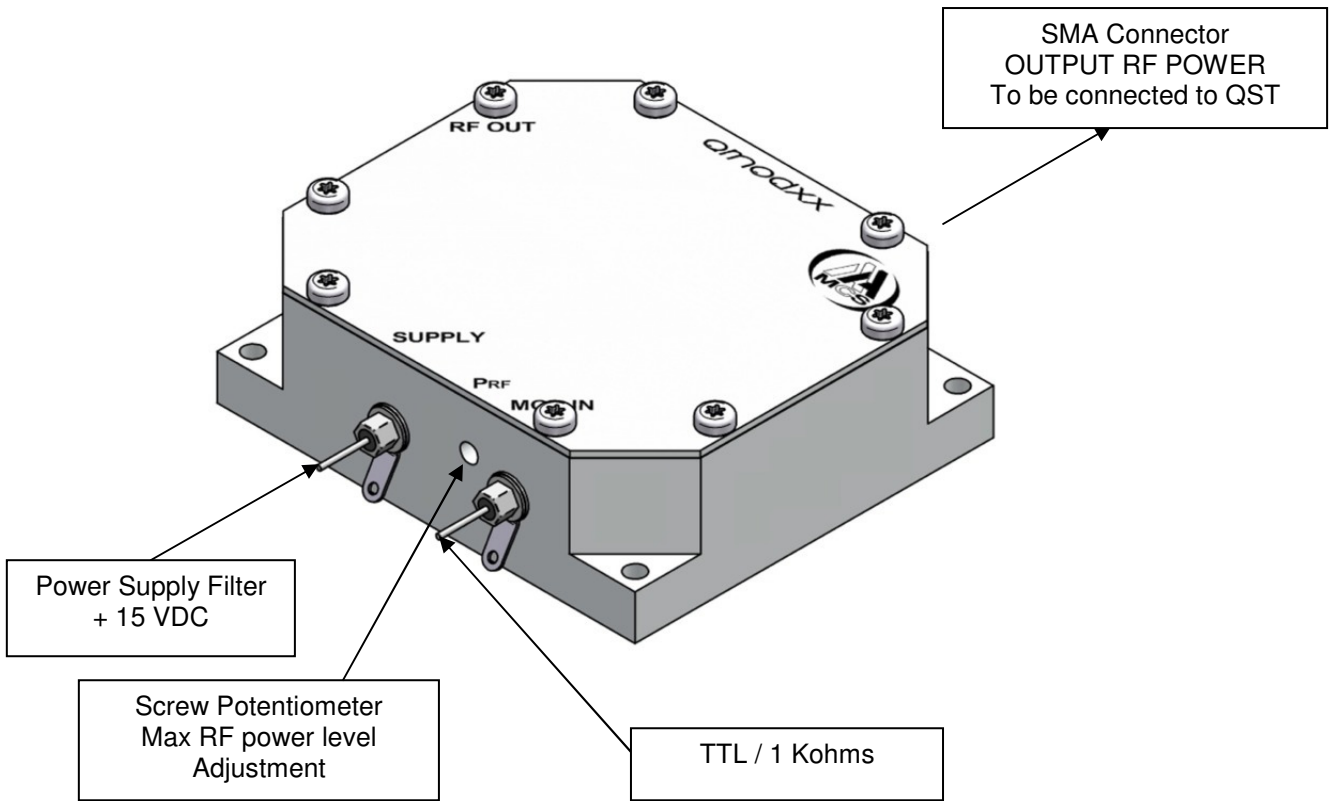
High performances and cost effective design.



Specifications

Carrier frequency	27.12, 40.68 or 80 MHz
Frequency stability	+/-100 ppm (-10, +70 °C)
Power Supply	15 VDC - nom 2.2 A (Version 20 W)
Rise Time / Fall time (10-90 %)	< 50 ns
DPC control (Digital Pulse Control)	TTL / 1 k Ω / PIN through filter
Analog power control	Through external screw potentiometer
Extinction ratio	> 40 dB
Output RF power	20 Watts (On request 2 to 20 W)
Output Impedance	50 Ω
V.S.W.R.	Nom < 1.5/1
RF connector	SMA
Size	70 x 60 x 24 mm ³
Weight	Nom 165 g
Heat exchange	CONDUCTION THROUGH BASEPLATE MUST BE ATTACHED ON A HEATSINK OR WATER COOLED PLATE
Operating temperature	10 to 40 °C
Maximum case temperature	70 °C

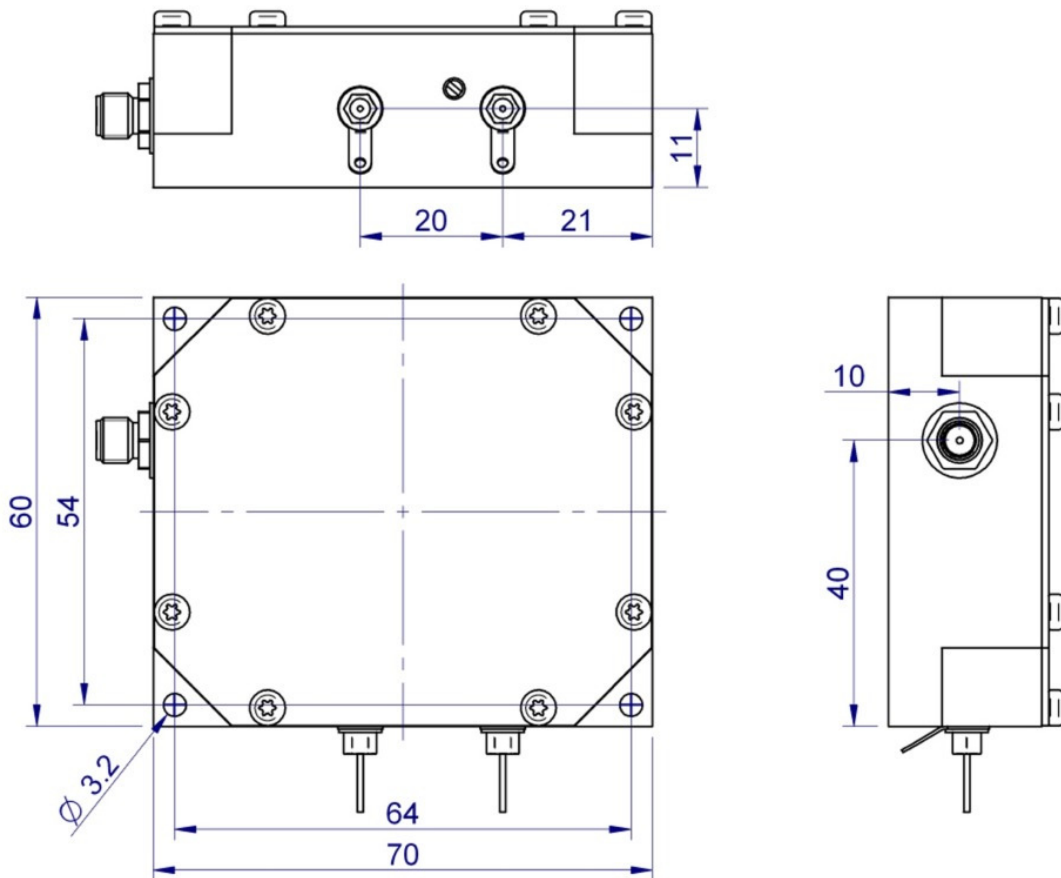




Outline drawing

Size in mm

Version without heatsink



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