



# RF Driver

## N390xx-yyDMzzz Low Power

- 2 to 24W output options
- 24, 27 or 40.68 or 80MHz
- 24VDC module

### Description

A low power version of the standard N390 series ideal for use with our extensive range of miniature Q-Switches for compact DPSS lasers.

Powered from 24VDC, the modulation inputs allow either full digital control or activation of an internal pulse generator. First pulse suppression is implemented through either analogue modulation, RF off analogue control, triggered first pulse suppression, or triggered pre-pulse kill, as described in our FPS guidance notes.

TTL logic outputs monitor driver status and cooling is through forced air over the heat sink.

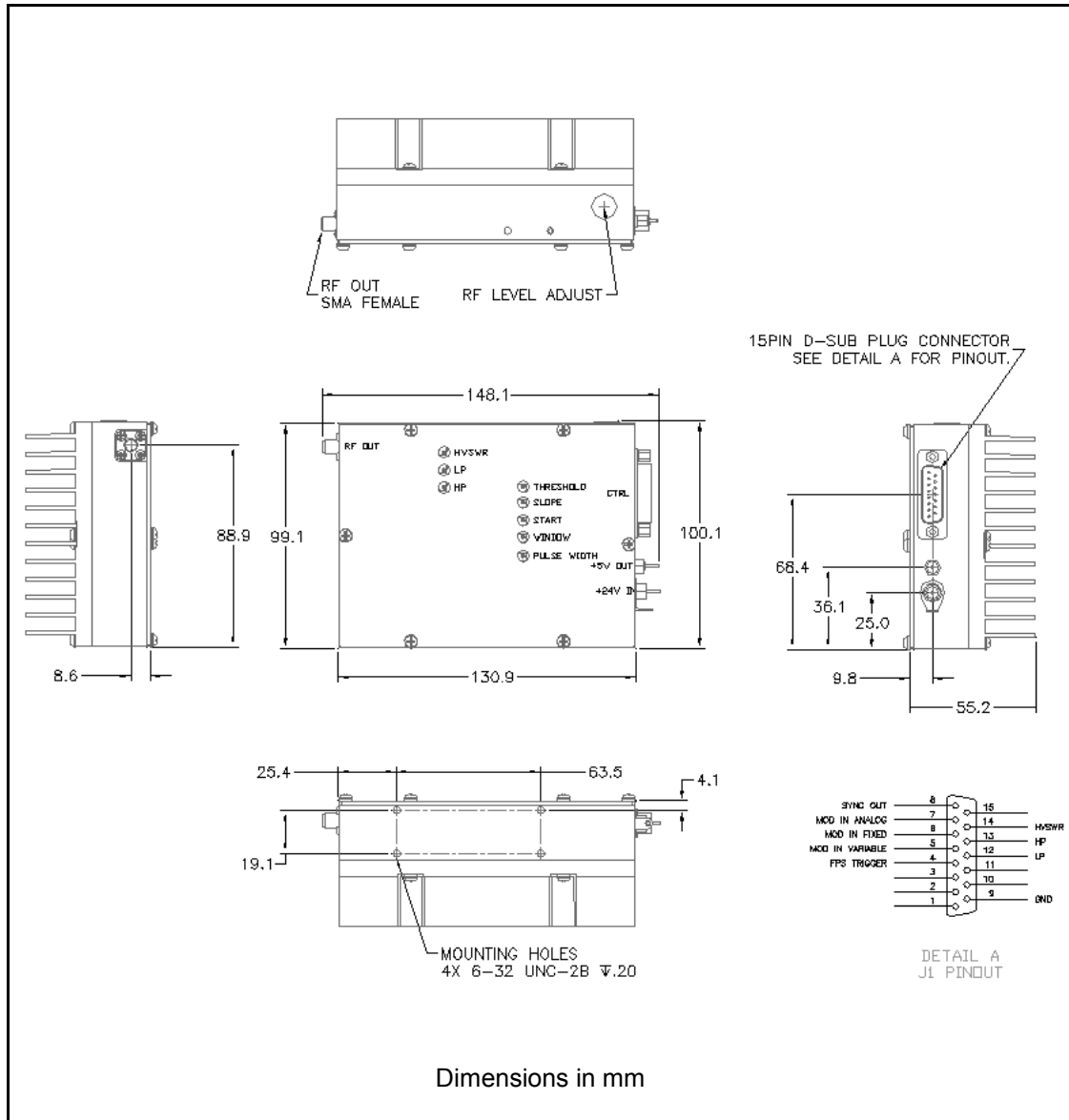
### Specification

RF Power Output (yy):	2 to 24W
Frequency (xx=24, 27, 41):	24.00MHz, 27.12MHz, 40.68MHz or 80MHz
First Pulse Suppression: (zzz=FPS, PPK, R05, A05, A13)	Triggered First Pulse Suppression: FPS Triggered Pre-Pulse Kill: PPK RF Off Analogue Control: 0-5V R05 Analogue Modulation: 0-5V A05
Frequency Tolerance:	± 0.02%
Output Impedance:	50Ω
RF Fall-Time:	< 50ns
RF Rise-Time:	500ns max
Extinction Ratio:	> 30dB
Harmonic Levels:	< -30dB at full power
Supply Voltage Input:	24VDC ±5%
Supply Current Input:	<2.5A
Modulation Control Inputs:	Digital TTL (TTL high = RF off)
Modulation Repetition Rate:	100Hz to 100kHz
Internal Pulse Width:	1µs to 20µs
Status Monitoring:	High VSWR, RF power low, RF power maximum
Housing:	Module
Storage Temperature:	-20°C to +85°C
Operating Temperature:	+10°C to +55°C
Air Flow through Heat-Sink:	>17 litres / second @ 25°C

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### Mechanical Dimensions



Specifications subject to change without notice. November 2005