



## Drivers

<b><i>RF Driver Specifications</i></b>	
	<b>Model #: FFD-100-B3-F1-X-Y/3ch</b>
<b>Frequency</b>	100 MHz
<b>Frequency Control</b>	Quartz crystal referenced phase locked loop.
<b>Frequency Accuracy</b>	0.015%
<b>Harmonic Content</b>	$\leq -40$ dBc
<b>Stability</b>	0.0015% minimum after 15 minute warm-up.
<b>Output Power</b>	1 Watt in each channel. Power is optimized for A-O device performance
<b>Operating Power</b>	117 VAC +/-10% 50-60Hz, 55W max.
<b>Enclosure</b>	The unit will be packaged in a 7.5 inch wide by 3.5 inch high by 8.75 inch deep instrument case. The rear panel heat sink increases depth to 10.5 inch max. Size is exclusive of connectors.
<b>Environmental</b>	Nominal Laboratory conditions: Max ambient temperature 0 +35 deg C; the unit is not sealed against moisture or condensing humidity. A detachable AC line cord is provided.
<b>Option X</b>	Internal pulse generator with adjustable pulse repetition rate and adjustable pulse width. Pulse rep rate 70-150 ms. Pulse width 300-500 us. Stability of pulse pattern is ~5% (0.5% short term).
<b>Option Y</b>	Three pulse RF outputs; one for standard AOM and the other two for the "no frequency shift" modulator. RF outputs are complementary to each other.



