

Fixed Frequency Driver Specification



Driver Model #	FFJ-XX-B3-FY
Frequency (MHz)	XX MHz (compatible with the AO Device)
Frequency Control	Quartz crystal referenced or externally referenced phase locked loop, user selectable.
Frequency Accuracy (%)	0.015%
Harmonic Content (dBc)	≤ - 15
Frequency Stability	0.0015% minimum after 15 minutes warm-up
Output Power	Power level is optimized for compatible AO device.
Output Protection	Power amplifiers used will tolerate an infinite V.S.W.R. without damage. Rated power is available only when a proper RF load is connected.
Modulation	Pulse modulation is via an internal pulse generator with adjustable pulse delay. Pulse generator may be set for internal or external trigger mode with a rep rate of 50 KHz to 12 MHz. Pulse width is variable from 7 nsec to 150 nsec. Pulse delay is adjustable from 0 to 10 nsec.
Rise/Fall Time	To match AO Cavity Dumper/Pulse Picker requirements
Modulation Type	Analog amplitude modulation or TTL compatible
External Modulation Input	50 Ω; 0-1 V or 330 Ω; 0-5 V
Operating Power	90-240 VAC ± 25% 50-60Hz; 55W max.
Enclosure	The unit will be packaged in a 190 mm (7.5 inch) wide by 100 mm (4 inch) high by 220 mm (8.75 inch) deep instrument case. The rear panel heat sink increases the depth to a maximum of 240 mm (9.75 inches). The size is exclusive of connectors. A detachable AC line cord and RF cable are provided.
Environmental	Nominal Laboratory Conditions: The maximum temperature is +35° C. The unit is not sealed against moisture or condensing humidity.