



YIG DRIVERS

ANALOG DRIVER ELECTRICAL SPECIFICATIONS

Input Control Voltage	0 to 10 volts will tune full frequency range.
Driver Supply Voltage	±15 volts at +50 mA and -850 mA
Output Current (Min-Max)	29 mA to 850 mA Current range depends on YIG device, coil tuning sensitivity and frequency range. Limits set at factory by internal programming for each individual YIG device. Units can also be adjusted externally by customer. See driver outline drawing. For low end 10% adjustment, turn potentiometer marked "S"; for high end adjustment, potentiometer is marked "M".
Input Impedance	10 K minimum
Current Stability	±0.02% of maximum current in constant environment
Operating Temperature	-54°C to +85°C
Tuning Linearity	0.02%
Sweep Time	5 microseconds
Flyback Time	10% or less of total sweep cycle
Size	Two sizes are available: Model A - 1.4 x 1.4 x 1.4 inches Model B - 1.7 x 1.7 x 1.7 inches
Connectors	DC Feedthrough Terminals
TTL Integration	Available with 8 or 12 Bits, upon request. (TTL will increase driver size by an additional 1.4 inches.)