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MODEL 305D

**RESONANT EOM DRIVER
DATA SHEET 780**

MODEL 305D RESONANT EOM DRIVER

FOR 40 MHz RESONANT EOM'S

Model 305D Driver:

The 305 Driver delivers a 120 nanosecond rise and fall time. Used with the REM EO modulators, the resultant risetimes may be in the 10 usec range due the narrow bandwidth of the high Q resonant circuit. Completely solid state electronics require only a TTL signal and 15 VDC power from the user's system.

Specifications:

- a) Input impedance is TTL Load (1 K ohm)
- b) Input level is 0 Volts min. and 3 V max.
- c) Input power 15 volts 0.5A, 0.1% regulation (28 volts optional)
- d) Dimensions are:
W 8.26 cm (3.25") x L 20.0 cm (7.87") x H 3.49 cm (1.38")

Internally, a 40 MHz crystal provides the proper carrier frequency for the AO modulator. This signal is gated by the video input signal. The output of the driver is an amplitude modulated wave-form with a level of 28 volts p-p into 50 ohms (2W).