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3910 series

With an operating frequency of 45–500 MHz, an 8 W output into a 50-ohm load, and analog and digital modulation, with a rise time as low as 4 ns.

Operating Frequency: 45–500 MHz

Center frequency: 45 – 500 MHz fixed

RF output: 0.25 – 8.0 W adjustable (at +28 V)

Product description

An RF driver series with an operating frequency range from 80 – 500 MHz and output up to 8 W in RF power with a rise time as low as 4 ns. Three modulation schemes are supported: Digital, Analog and Digital + Analog.

These drivers feature the optional ability to synchronize the driver to an external clock reference and are designed to drive FiberQ modulators, frequency shifters, and acousto-optic modulators.

Key features

- Up to 500MHz center frequency

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- Adjustable RF power up to 8 Watts
- Rise time as low as 4 ns
- Optional external clock synchronization

Specifications

Name	Value
Operating Frequency	45–500 MHz
Center frequency	45 – 500 MHz fixed
RF output	0.25 – 8.0 W adjustable (at +28 V)
Input voltage +Vcc	+24 to +28 V
2 nd harmonic level	< -20dBc
Output VSWR	1.5:1 max
Output waveform	Sinusoidal
Rise/fall time	Max: 4 nsec (frequencies \geq 250 MHz)
Contrast ratio	Min: 50 dB
Analog input voltage	0 – 1 V

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Digital input voltage	Standard TTL levels
Digital input impedance	10 k Ω
Frequency stability	+/- 1.5 ppm over temp
Frequency accuracy	+/- 1%
Thermal management	Conduction cooled heat sink
Operating temperature	10°C to 60°C

Downloads



3910 Series RF Driver Control Software (ZIP)

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3910 LabView (2013) Plug and Play Drivers (ZIP)

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