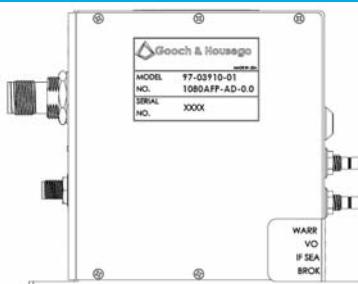




97-03912-XX Driver Specifications

200-350MHz, 0-3W RF Power, Internal Clock



Specifications

Parameter	Performance
Center frequency (Fc)	See Table A
RF output power	See Table A
RF output power stability	+/- 5% over heat sink temperature range
Input voltage +Vcc	24VDC +/- 0.5V measured at input while driver in operation
Supply Current	See Table B
2nd harmonic level	< -17dBc
Output VSWR	1.5:1 max; 50 Ohms
Output waveform	Sinusoidal
Rise / Fall time Analog	4 nsec typ., 8 nsec max (freq. ≥ 200 MHz)
Rise / Fall time Digital	25 nsec max
Contrast ratio	50 dB min
Analog input voltage	0 – 1 V
Analog input impedance	50 Ohms
Digital input voltage	TTL (5V) or LVTTTL (3.3V) (VIH = 2.0V, VIL = 0.8V)
Digital input impedance	10k Ohms
Frequency stability	+/- 5 ppm over temp
Frequency accuracy	+/- 5 ppm
Jitter	0.3 psec typ.
Phase Noise	-105 dBc/Hz at 10kHz offset
Thermal management	Conduction cooled
Operating temperature range	+10°C to +60°C (referenced to mounting tab) Unit will operate down to 0°C, in a non-condensing environment

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Table A

Part Number	Freq Center (MHz)	Modulation	RF Power (Watts)	Model
97-03912-01	350	Analog	1	1350AFP-A-1.0
97-03912-02	200	Combined	2.5	1200AFP-AD-2.5
97-03912-03	200	Digital	2.5	1200AFP-D-2.5
97-03912-04	200	Combined	1	1200AFP-AD-1.0
97-03912-05	211	Combined	1	1211AFP-AD-1.0
97-03912-06	300	Combined	1	1300AFP-AD-1.0
97-03912-07	350	Digital	1	1350AFP-D-1.0
97-03912-08	200	Analog	1.5	1200AFP-A-1.5
97-03912-09	200	Analog	2.5	1200AFP-A-2.5
97-03912-10	208.3	Digital	2.5	1208.3AFP-D-2.5
97-03912-11	200	Combined	2	1200AFP-AD-2.0
97-03912-12	200	Analog	2	1200AFP-A-2.0
97-03912-13	307	Digital	2.5	1307AFP-D-2.5
97-03912-14	260	Analog	1.2	1260AFP-A-1.2
97-03912-15	200	Combined	1.5	1200AFP-AD-1.5
97-03912-16	350	Combined	1.5	1350AFP-AD-1.5
97-03912-17	350	Combined	1	1350AFP-AD-1.0
97-03912-18	200	Digital	1	1200AFP-D-1.0
97-03912-19	350	Combined	2	1350AFP-AD-2.0
97-03912-20	200	Analog	1	1200AFP-A-1.0
97-03912-21	211	Combined	1	1211AFP-AD-1.0-H
97-03912-22	200	Digital	1.5	1200AFP-D-1.5
97-03912-23	200	Combined	0.5	1200AFP-AD-0.5

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Table A

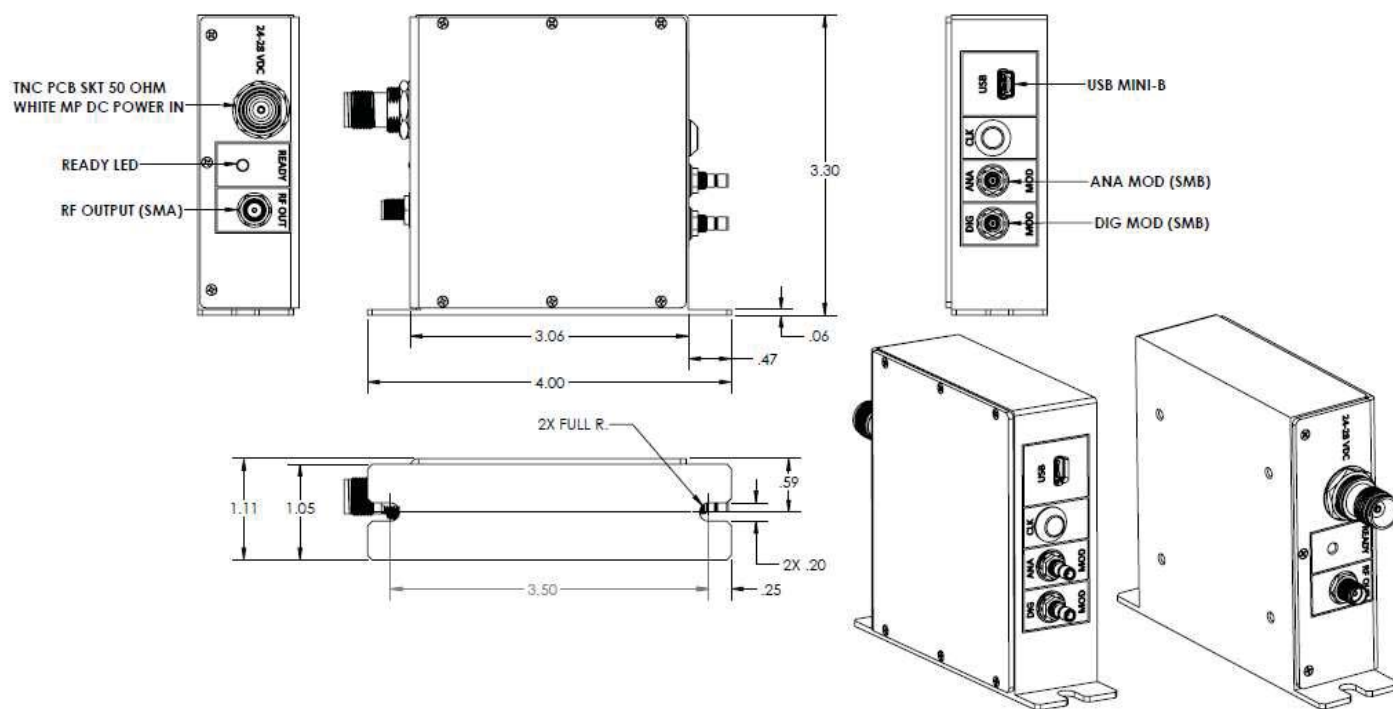
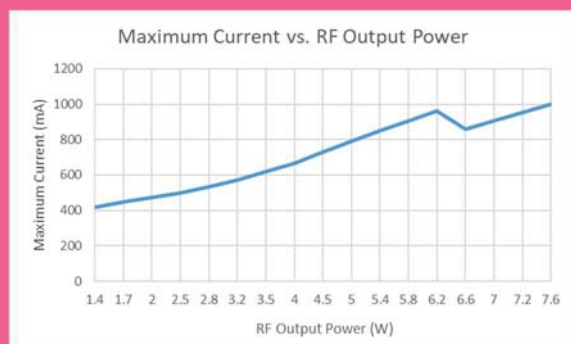
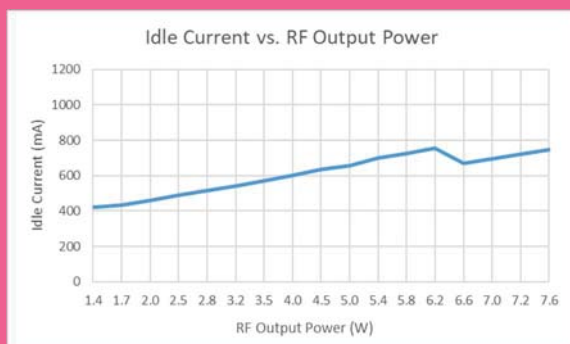
Part Number	Freq Center (MHz)	Modulation	RF Power (Watts)	Model
97-03912-24	350	Digital	1.5	1350AFP-D-1.5
97-03912-25	300	Combined	1.2	1300AFP-AD-1.2
97-03912-26	350	Combined	1.2	1350AFP-AD-1.2
97-03912-27	250	Digital	1	1250AFP-D-1.0
97-03912-28	266	Combined	1	1266AFP-AD-1.0
97-03912-29	250	Analog	1.2	1250AFP-A-1.2
97-03912-30	350	Analog	2.5	1350AFP-A-2.5
97-03912-31	270	Analog	1	1270AFP-A-1.0
97-03912-32	260	Digital	1.2	1260AFP-D-1.2
97-03912-33	211	Analog	1	1211AFP-A-1.0
97-03912-34	307.5	Analog	2.5	1307.5AFP-A-2.5
97-03912-35	307	Analog	2.5	1307AFP-A-2.5
97-03912-36	307	Combined	2.5	1307AFP-AD-2.5

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Table B



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