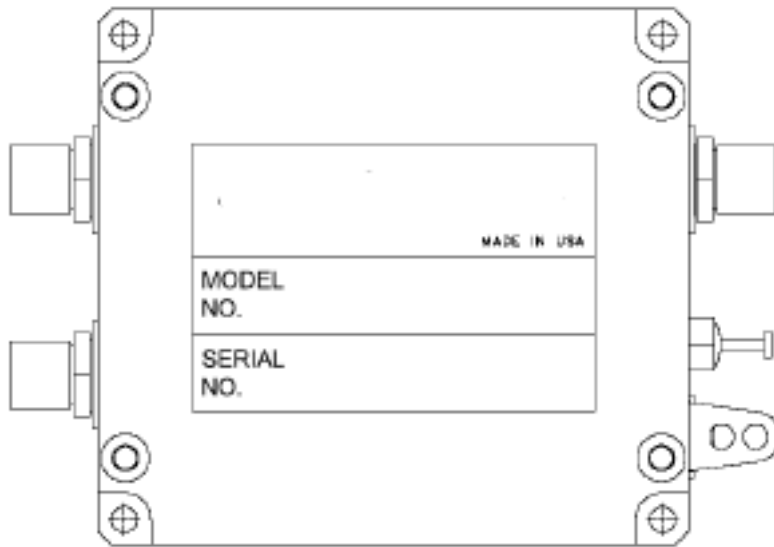


Compact, High Efficiency RF Driver 97-05301-01 (1080HE-AD-1.0) 80MHz, 1.0W RF Power, Combined Modulation



Parameter	Min	Typ	Max	Units
Center frequency (Fc)		80		MHz
Operational Mode: Combined Digital and Analog Modulation				N/A
Peak Pulse Power	1	1.4		W
Pulsed Operation Test Conditions: 200ns duration, 10% Duty Cycle				N/A
DC Power Consumption, Pulsed Mode		2.0	2.2	W
DC Power Consumption, CW Mode		3	3.4	W
Overall Driver Efficiency	25	35		%
Frequency Accuracy and Stability		2		ppm
Pulse Rise Time: 10% to 90% RF Voltage Waveform		20	30	nsec
Pulse Fall Time: 90% to 10% RF Voltage Waveform		35	40	nsec
Contrast Ratio	65	78		dB
2 nd Harmonic		-25	-18	dBc
Analog Modulation Port Input Impedance		50		Ohms
Analog Mode Modulation Levels	0		1	V
Analog Mode Threshold Voltage (positive-going)		110		mV
Analog Mode Threshold Voltage (negative-going)		80		mV
Digital Modulation Port Input Impedance		10		kOhms
Digital Mode Modulation Levels	0		5	V
Transfer Curve Characteristics, Analog Mode (Monotonic power over 0.2 to 0.7V input voltage)				N/A
RF Output Impedance		50		Ohms
Operational Temperature Range	0	25	65	°C
Supply Voltage	10	12		V
RF Output Connector: SMA (f) jack				N/A
Modulation Port Connectors (x2): SMA (f) jack				N/A
Supply Voltage Connector: Isolated DC filter feedthrough with ground lug				N/A
EMC Compliance: FCC Part 18 at max CW RF Power, 10m distance			40	dBμV/m

