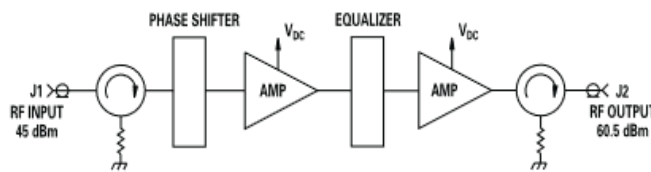


FEATURES

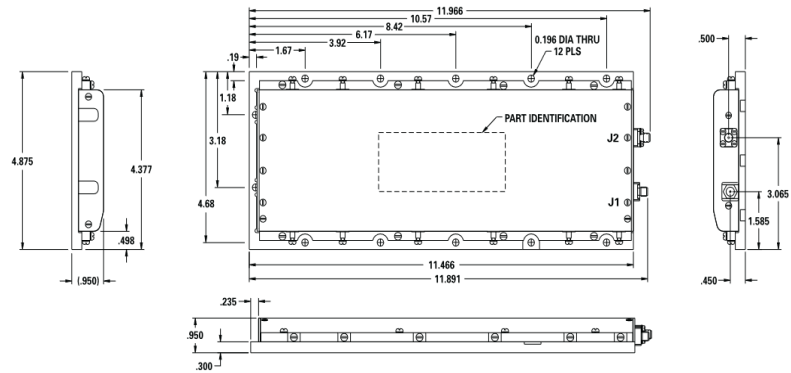
- Bipolar Technology: Bipolar
- Operating Frequency: 2700-2900MHz
- Peak Power Output: 500W Min
- Power Gain: 24 dB Min
- Unit-to-Unit Phase Match: 6° Max
- PAE: 25% Min
- Pulse Width: 120uS Max
- Pulse Duty Factor: 12% Max
- Operating Voltage: 40VDC
- Input Survivability +37dBm
- Output Protection: Isolator

APPLICATIONS: Aerostat Radar

FUNCTIONAL BLOCK DIAGRAM



OUTLINE DRAWING



PRODUCT SPECIFICATION

Parameter	Min.	Typ.	Max.	Units	Notes
Frequency	2700		2900	MHz	
Output Power	57.0	58.0		dBm	Pulse: 120uS 10%
Power Gain	23	24		dB	Pulse: 120uS 10%
Input Power		44.0	45.0	dBm	
Phase Match		6	8	degree	
PAE	25	30		%	
Droop		0.25	0.5	dB	Pulse: 120uS 10%
Rise Time		35	100	ns	Pulse: 120uS 10%
Fall Time		15	100	ns	Pulse: 120uS 10%
Pulse-to-Pulse Stability			0.05	°	
Input VSWR		1.3:1	1.5:1		
Output VSWR		1.3:1	1.5:1		
Harmonic Components	-30	-40		dBc	2 nd , 3 rd , and Others
Impedance		50		Ohms	
DC Current		8	10	A	At +40VDC
DIM		11.9"x4.87"x0.95"			
Operating Base Temp.	0	+40	+65	°C	

TYPICAL PERFORMANCE

