

Solid State Driver Amplifier

Key Features:

- Ultra-broad 2 to 18 GHz bandwidth
- 31.5 dBm output power
- Solid state MMIC reliability
- 35 dB gain



Electrical Parameters	Units	Min.	Typ.	Max.
@14 V, 25°C Baseplate				
Frequency	GHz	2		18
Gain	dB		35	
Gain Variation 3-18 GHz	±dB		2	
Gain Variation, Over Operating Temp.	±dB		1	
Input VSWR (50 Ohms)			2:1	3:1
Output VSWR (50 Ohms)			2:1	3:1
Output Power, Saturated	Watts		2	
Output Power, 1 dB Compressed	Watts		1.5	
Third Order Intercept Point	dBm		40	
Second Order Intercept Point	dBm		50	
Harmonics (Pout<P1dB)	dBc		-20	
Spurious	dBc		-70	
Voltage	Volts	13.5	14	15
Current	Amps		2.6	3.5
Physical Parameters				
Size	In.	5.0x2.1x0.7		
RF Connectors		SMA (F)		
DC Connectors		Filter Feedthru Solder Terminal		

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Environmental Parameters	Units	Min.	Typ.	Max.
Baseplate Temp., Operating	°C	-20		+50
Baseplate Temp., Storage	°C	-20		+125
Cooling		Conduction		
Altitude, Operating	K Feet		50	

Typical Performance Data

