

1900 MHz Broadband Power Amplifier

Key Features:

- 20 Watts P-1dB
- High Linearity LDMOS Technology
- Solid State Reliability
- Class AB operation
- 12 Volt operation



Electrical Parameters	Units	Min.	Typ.	Max.
@12 V, 25°C Baseplate				
Frequency	MHz	1805		1990
Gain	dB	39	40	
Gain Variation	±dB		0.5	1.0
Gain Variation, Over Operating Temp.	±dB		2	
Input VSWR (50 Ohms)			2.0:1	
Output Power, Saturated	Watts	20	25	
Output Power, 1 dB Compressed	Watts	15	20	
Spurious	dBc		-60	
Voltage	Volts		12	
Current @ 30 Watts Output	A		7.0	
Fault Indication		Open Collector (Low) when Pout < 1 Watt		
Physical Parameters				
Size	In.	6.8 x 2.7 x 1.0		
RF Connectors		SMA (F)		
DC Connectors		Filter Feedthru		
Environmental Parameters				
Operating Temperature, Baseplate	°C	-20		+60

