

# PGS27110341412

## 27-1000 MHz 12 Watt Power Amplifier

### Performance Specifications

Parameter	Units	Min.	Typ.	Max.
Frequency	MHz	27		1000
Power Gain	dB	47	52	
vs. Freq.	±dB		2	
vs. Temp.	±dB		1	
VSWR (In)			2.0:1	2.0:1
VSWR (Out)			2.0:1	3.0:1
Noise Figure	dB		8	10

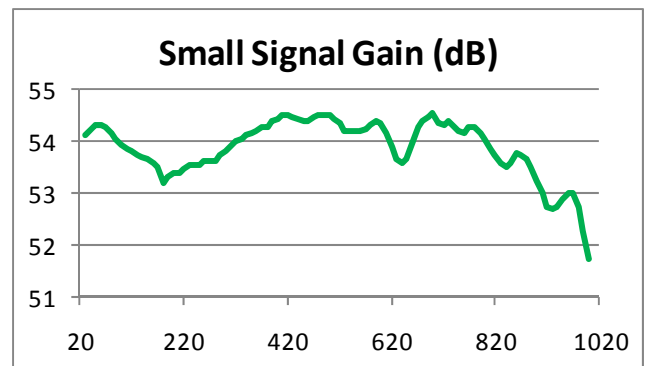
Parameter	Units	Min.	Typ.	Max.
RF Power				
Sat.	Watts	10	12	
P-1dB	Watts		10	
Efficiency	%		20	
Spurious	dBc			-60
DC Volts	V	24	28	32
DC Current	A		1.8	2.2

### Physical

Dimensions	4.5 x 3.0 x 0.5 inches
RF Connectors	SMA(F) In/Out
DC Connector	15 Pin Micro-D
Options	Blanking Rx Path Output Power Coupling

### Environmental

Temp. Operating	-20° to +85°C Baseplate
Temp. Storage	-20° to +85°C
Cooling	Conduction
Load VSWR	Infinite
Mounting	#4 Machine Screws



Creative Amplification Products

Phone: +1 805 499 1166  
Fax: +1 805 499 6649  
E-mail: [sales@capwireless.com](mailto:sales@capwireless.com)  
Web: [www.capwireless.com](http://www.capwireless.com)

990109-00 Rev. 1

Detail Page 1

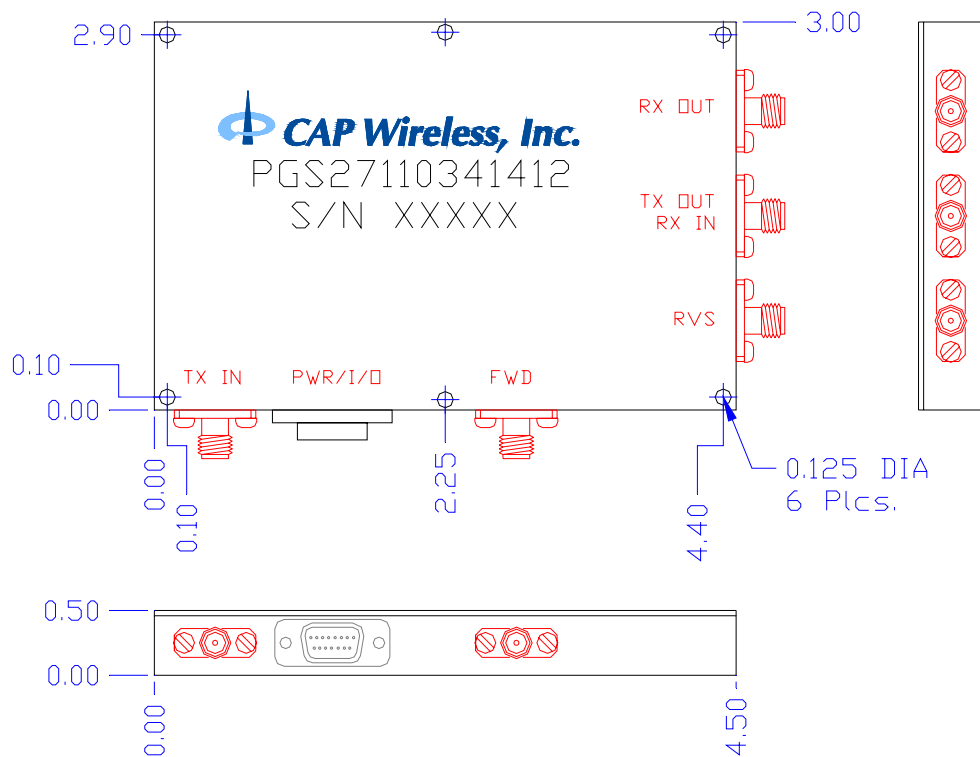
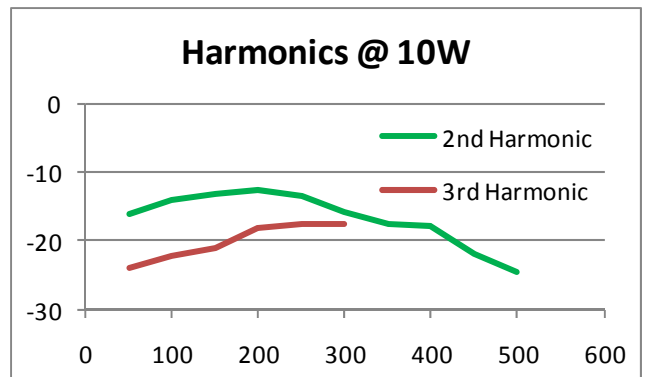
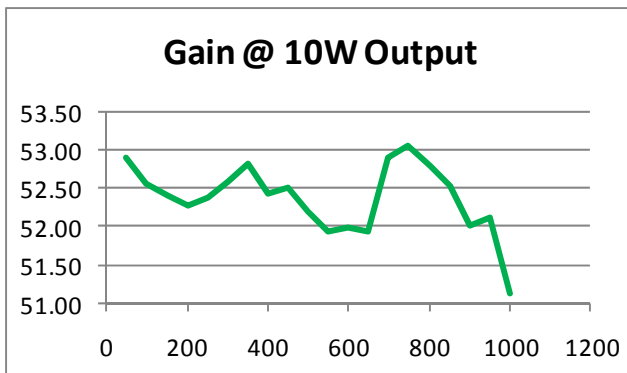
 CAP Wireless, Inc.

3235 Grande Vista Drive  
Newbury Park, CA 91320

# PGS27110341412

## 27-1000 MHz 12 Watt Power Amplifier

### Typical Performance Plots



Creative Amplification Products

Phone: +1 805 499 1166  
Fax: +1 805 499 6649  
E-mail: [sales@capwireless.com](mailto:sales@capwireless.com)  
Web: [www.capwireless.com](http://www.capwireless.com)

990109-00 Rev. 1

Detail Page 2

 CAP Wireless, Inc.

3235 Grande Vista Drive  
Newbury Park, CA 91320