

# KS635800

## 2-18 GHz 33 dB Gain Driver Amplifier

### Performance Specifications

Parameter	Units	Min.	Typ.	Max.
Frequency	GHz	2		18
Gain	dB	32	35	38
vs. Freq.	±dB		1.5	2
vs. Temp.	±dB		2	
VSWR (In)			1.8:1	2.0:1
VSWR (Out)			2.5:1	
Noise Figure	dB		12	

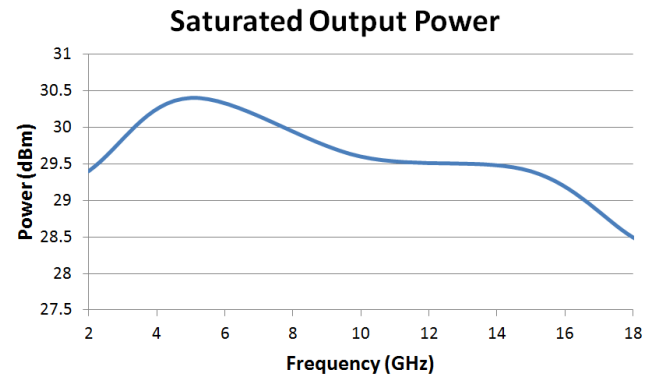
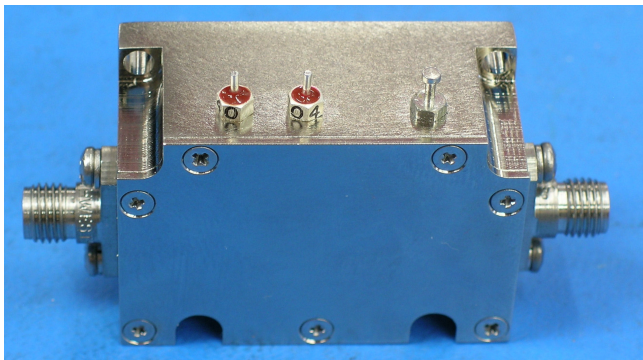
Parameter	Units	Min.	Typ.	Max.
RF Power				
Sat.	dBm	+27	+29	
P-1dB	dBm		+28	
Max Input	dBm			+10
Spurious	dBc		-60	
DC Volts*	V	8.5	9	
DC Current	mA		660	

### Physical

Dimensions	1.1" x 1.6" x 0.75"
RF Connectors	SMA(F) In/Out
DC Connector	Solder Feed Through
*DC Power (Neg. Voltage must be applied first and removed last)	~ -1.0 V +9.0V (Adjust Neg. Voltage to set Current)

### Environmental

Temp. Operating	-20° to +60°C Case
Temp. Storage	-40° to +85°C
Cooling	Conduction
Mounting	#4 Machine Screws
!!! CAUTION !!!	Unit does not include reverse bias protection!



Creative Amplification Products

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990119-00 Rev. A

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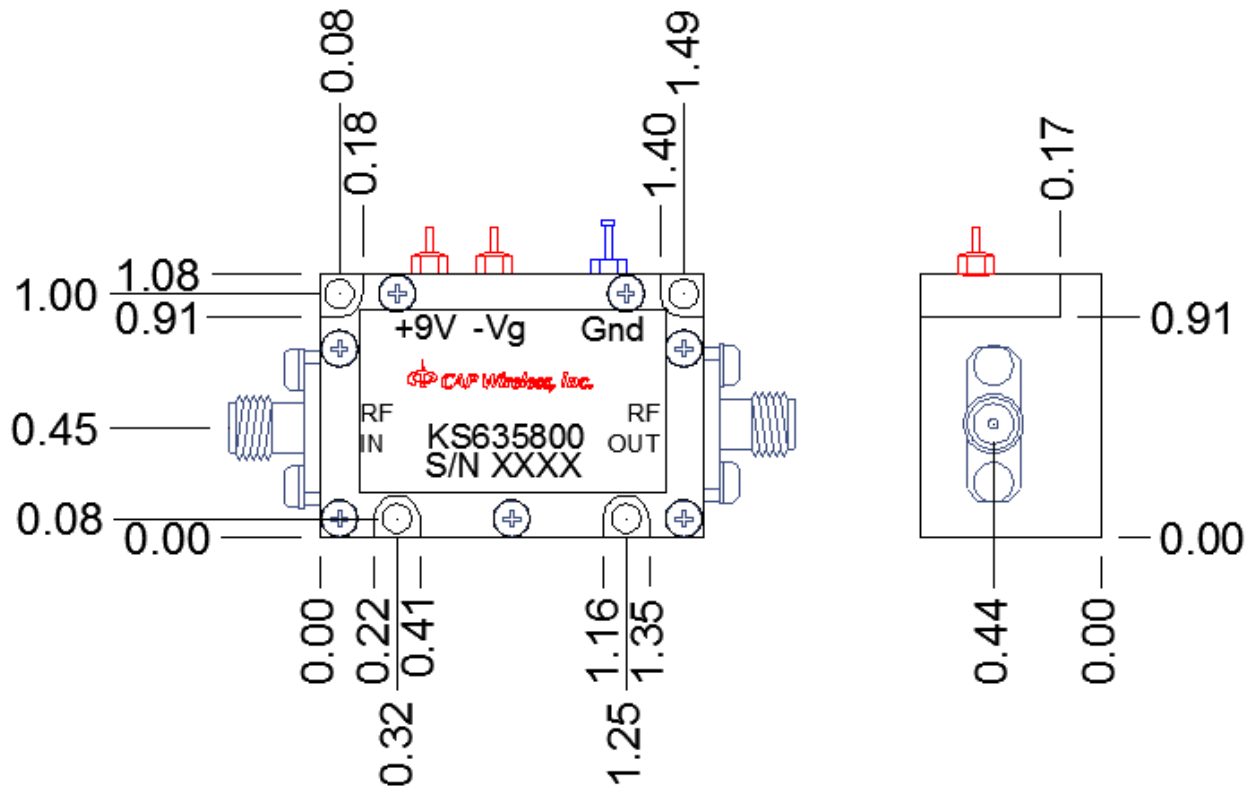
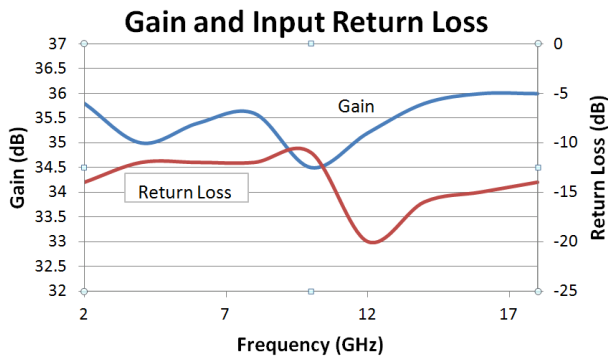
 CAP Wireless, Inc.

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### Gain and Return Loss



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