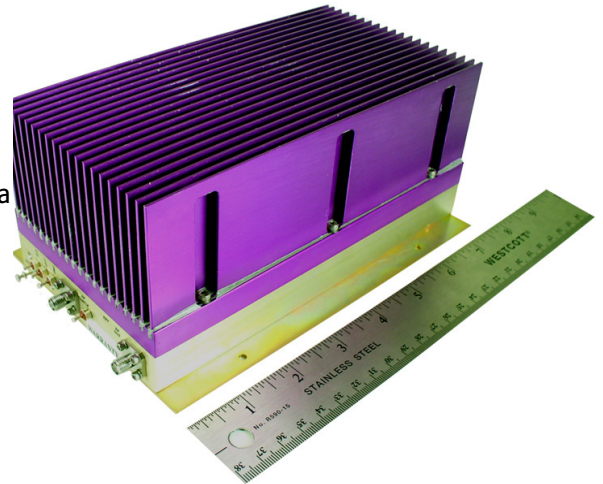


# 20 W Linearized Power Amplifier

**COBHAM**

The most important thing we build is trust.

GMS introduces the first in a series of new Linearized Power Amplifiers specifically designed for C-OFDM and other demanding modulation schemes. This 20 W P1dB Linearized Power Amplifier utilizes the latest technology in amplifier linearization to provide up to 7 Watts of C-OFDM power in a small economical package. This Class A Linearized Power Amplifier provides 55 dB of gain in a frequency band of 6.425 to 7.125 GHz. Typical third order intercept point is +62 dBm over the full band. These units are designed for rugged use and operate from 0° to 55° C with up to 95% humidity (non-condensing).



## Specifications:

GMS Part Number:	PAXCJCS14
Mode Class:	A with built-in Linearizer
Frequency Range <sup>1</sup> :	6.425 – 7.125 GHz
Gain:	55 dB +/- 1dB
Gain Flatness:	+/- 0.5 dB
Third Order Intercept:	+65 dBm
Power Out:	20 W (P1 dB), Useful to 7 W (C-OFDM)
DC Voltage:	12 V
DC Current:	9.2 A
Input/Output Z, VSWR:	50 Ω, 1.4:1/1.4:1
RF Connectors:	SMA-F
DC Power Connector:	Solder Pins
Temperature:	0° to +55° C
Humidity:	Up to 95% non-condensing
Size (inches):	7.5 x 4.0 x 0.79 = 23.7 cu inches (w/o Heat Sink) 7.5 x 4.0 x 3.3 = 99 cu. inches (with Heat Sink)
Size (cm):	18.9 X 10.1 X 2.0 = 381.8 cu. cm (w/o Heat Sink) 18.9 x 10.1 x 8.3 = 1584.39 cu. cm (with Heat Sink)
Weight:	4.25 lbs. = 1.9 kg
Over Voltage Protection:	Yes
Thermal Protection:	Yes, with Auto Reset
Temperature Compensation:	Yes
TTL On/Off:	Yes

<sup>1</sup> Consult factory for non-standard bands

Specifications subject to change without prior notice  
Typical values shown unless min or max is specified  
100-DS0125X3 03/13/09 1 of 1

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