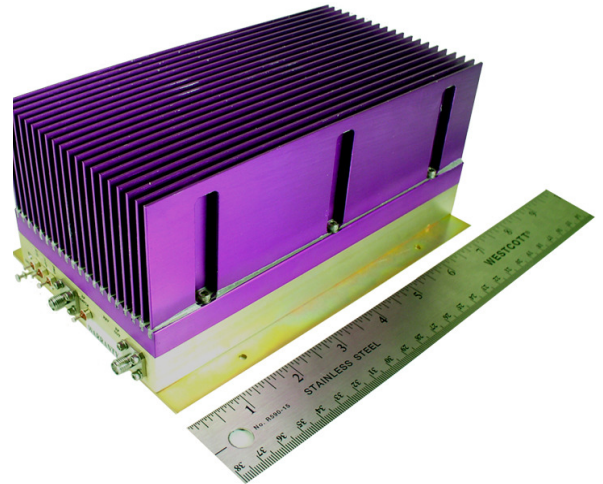


20 W Linearized Power Amplifier

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 4.4 to 5.0 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:	PAC2JKS14
Mode Class:	A with built-in Linearizer
Frequency Range ¹ :	4.4 – 5.0 GHz
Gain:	55 dB +/- 1dB
Gain Flatness:	+/- 0.5 dB
Third Order Intercept:	+62 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

¹ Consult factory for non-standard bands

Specifications subject to change without prior notice
Typical values shown unless min or max is specified
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