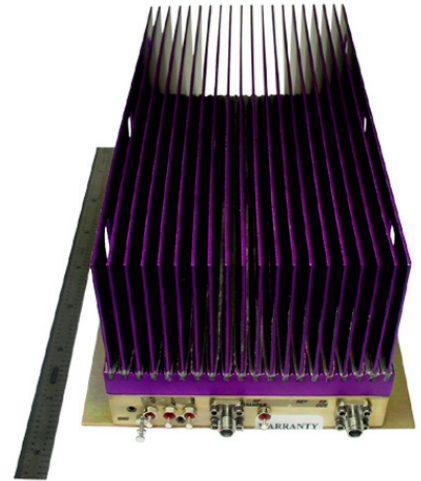


20 W Linearized Power Amplifier

COBHAM

The most important thing we build is trust.

GMS' linear Power Amplifiers are specifically designed for C-OFDM and other demanding modulation schemes. This 20 W P1dB Linearized Power Amplifier provides up to 7 watts of C-OFDM power in a small economical package. This Class A Power Amplifier provides 50 dB of gain in a frequency band of 3.4 to 3.7 GHz. Typical third order intercept point is +63 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).



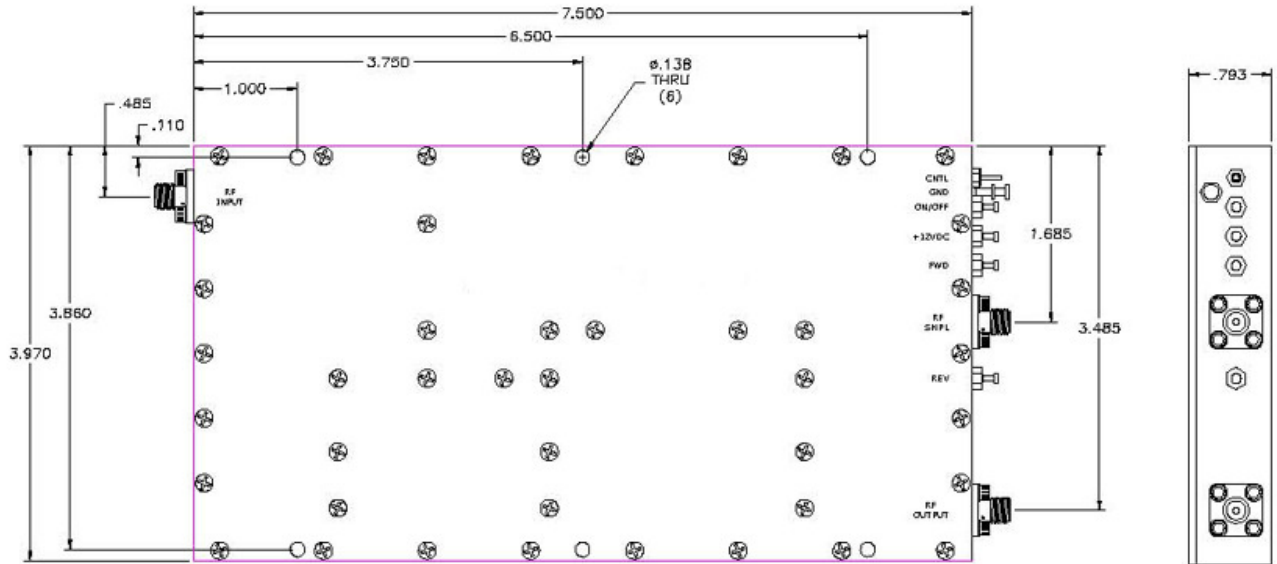
Specifications:

GMS PN:	PACHMKS14
Mode Class:	A (Linearized)
Frequency Range ¹ :	3.4 – 3.7 GHz
Gain:	50 dB +/- 1dB
Gain Flatness:	+/- 0.5 dB
Third Order Intercept:	+63 dBm
Power Out:	20 W (P1 dB), Useful to 7 W (C-OFDM)
DC Voltage:	12 V
DC Current:	8.5 A
Input/Output Z, VSWR:	50 Ohm, 1.5:1/1.5:1
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 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

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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20 W Linearized Power Amplifier



PA Dimensions & Mounting Information