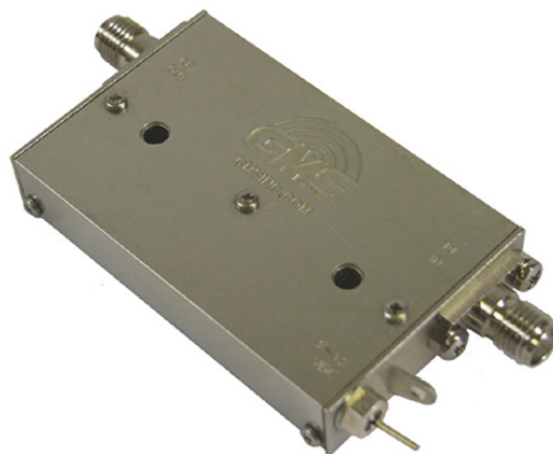


The most important thing we build is trust.

The low noise amplifiers from GMS introduce the latest MMIC technology for use with microwave receivers. Units can be customized to cover the L, S, C frequency bands. Typical gains are either >20 dB for the high gain models or >15 dB for the low gain models with noise figures as low as 1.4 dB. The wideband models can be customized to narrower bands by adding an optional external band-pass filter. The RF output port can also be used for injection of the DC Power. This minimizes cabling requirements for remote mounting applications. The units are designed for rugged use and operate from -20 to +70 °C. Below are shown the standard units; consult the factory for additional frequencies, different connectors and/or other special requirements.



## Specifications:

GMS Model #	Frequency (GHz)	Gain dB (min/typ)	NF dB (max/typ)	P1 dB Out (min)	VSWR	Power (max @12V)
PLW4K8S11	1.7 – 2.5	19/22	1.4/1.2	19 dBm	2.0:1	125 ma
PLSGK8S11	2.0 – 2.7	19/21	1.4/1.2	19 dBm	2.0:1	125 ma
PLW3C5S11	3.0 – 6.0	25/31	2.5/2.0	17 dBm	2.0:1	80 ma
PLW3A5S11	3.0 – 6.0	15/18	2.5/2.0	7 Dbm	2.0:1	25 ma

Note that all units have as standard:

1. Bilateral VSWR as stated above
2. SMA female connectors at RF ports
3. Solder lug terminals at DC ports
4. 2.0" x 1.25" x 0.37" (5.08cm x 3.175cm x 0.94 cm)
5. Weight 1.34 oz (38 grams)
6. Current readings taken at 12 VDC
7. Humidity 95% non-condensing
8. Operating Temperature -20 to +70 °C
9. Voltage tolerances are +11 - +15 VDC