



## Ultra-Efficient 5/10W Power Amplifier for S-Band Applications

Designed for use in S-band telemetry applications, the Boomslang amplifier is capable of operating at efficiencies greater than 25%. Utilizing LDMOS technology, Boomslang is designed as a Class AB amplifier with a minimum peak output power of 5 or 10 Watts depending on supply voltage. With integrated control and alarm functionality, the amplifier can either be internally or externally controlled. It is suitable for use in harsh military environments. Similar design techniques providing scalability across frequency and output power levels with the addition of optional monitoring circuitry make Sagrad amplifiers ideal for almost any application.



Parameter	Min	Typ	Max	Units
Frequency Range	2.2		2.3	GHz
Output Power	5			W
Gain	27	30	33	dB
Gain Tolerance	-1.5		1.5	dB



# Ultra-Efficient 5W Power Amplifier for S-Band Applications

