



# Custom Amplifier Questionnaire

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Describe your application and amplifier requirements in detail:

A large, empty, light gray rectangular box intended for the user to describe their application and amplifier requirements in detail.

**Electrical Specifications** - Complete all that apply

Parameter	Minimum	Target	Comments
Frequency Range (GHz)			
Output power @ P1dB (W)			
Output power @ P3dB (W)			
Output power @ Psat (W)			
CW or pulsed-CW (for pulsed-CW please include pulse width, duty cycle, PRF, rise time, fall time, pulse droop...)			
Small signal gain (dB)			
Gain Flatness (dB)			
Gain adjustment (dB)			
2nd harmonic power @ P____ (dBc)			
Spurious @ P____ (dBc)			
IM3 @ ____ dB backoff and ____ MHz tone-spacing (dBc)			
Noise floor with ____ resolution bandwidth (dBm)			
VSWR load tolerance			
VSWR input			
Maximum input power (W)			
Other: _____			
Other: _____			

**Protections & Indications** - Complete all that apply

Parameter	Minimum	Target	Comments
LCD display with amplifier status			
Over-current protection			
Over-heat protection			
Integrated coupler with forward and reflected power measured			
Output circulator			
Other: _____			
Other: _____			
Other: _____			
Other: _____			

**Mechanical & Environmental Specifications** - Complete all that apply

Parameter	Minimum	Target	Comments
Input connector			
Output connector			
Connectors on front/rear panel			
Operating temperature range °C			
Storage temperature range °C			
Cooling method (forced air or liquid)			
Dimension limitations			
Weight limitations			
Operating line voltage (V)			
Maximum current (A)			
Other: _____			
Other: _____			