

# Ducommun LaBarge Technologies General Purpose Amplifier



## DESCRIPTION

**AGP** series general purpose amplifiers are discrete and/or MMIC PHEMT devices based amplifiers that operate at the frequency range between 18 to 96 GHz for gain added applications. The amplifiers are offered in two categories, namely, standard and custom built. The custom built amplifiers are offered in various RF interfaces, including standard waveguide or coax connectors, for convenient system integration. The optional input and output integrated isolators are available to further improve the port return loss.

## FEATURES

- High gain and wide bandwidth
- Low DC power consumption
- Single power, compact and light weight
- Wide operational temperature range

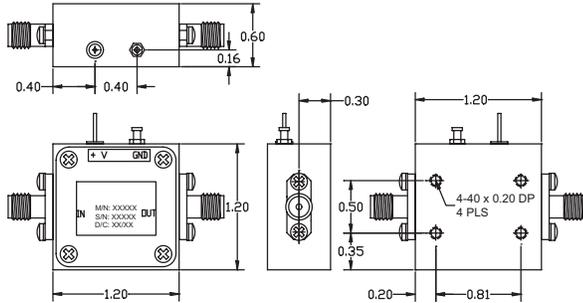
## APPLICATIONS

- Gain blocks
- High power transmitter driver
- Power block for multiplier chains
- Gain block for multiplier chain
- Transceiver sub-assemblies

## SPECIFICATIONS

Model Number	Frequency (GHz)	BW (GHz)	Noise Figure (dBm/Min)	Gain, (dB)	Current(mA) (max @ 12V)	-40°C to +50°C	
						VSWR (Typ)	Outline
AGP-22091515 -01	18.0 - 26.5	8.5	3.5	15	60	2:1	WT-A-1
AGP-22091530 -01	18.0 - 26.5	8.5	3.5	30	120	2:1	WT-A-1
AGP-22092530 -01	18.0 - 26.5	8.5	4.5	20	600	2:1	WT-A-1
AGP-33141515 -01	26.5 - 40.0	13.5	4.5	15	60	2:1	WT-A-1
AGP-33141530 -01	26.5 - 40.0	13.5	6.0	30	120	2:1	WT-A-1
AGP-33142025 -01	26.5 - 40.0	13.5	6.0	25	350	2:1	WT-A-1
AGP- 29221015 -01	18.0 - 40.0	22.0	6.0	15	50	2:1	WT-A-1
AGP-29221615 -01	18.0 - 40.0	22.0	6.0	15	200	2:1	WT-A-1

## OUTLINE DRAWINGS

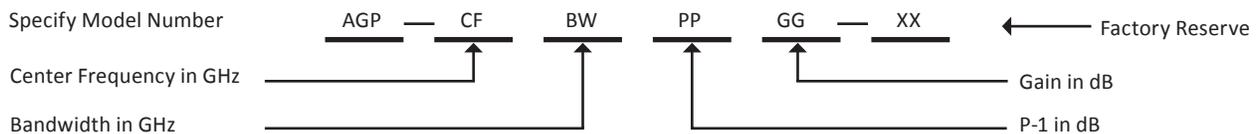


Dimensions are in inches

## WT-A-1

## CUSTOM BUILT AMPLIFIERS

The amplifiers with the performance other than listed above are available per customer's request. You may submit your specifications along with the model number per following instruction.



Ordering Example: General purpose amplifier with center frequency 37 GHz, 10 GHz bandwidth, 18 dBm P-1 power and 20 dB gain, specify AGP-37101820-XX

All specifications are subject to change without notice. Please contact a sales representative for additional information.