

Narrowband Power Amplifiers (Pulsed)* [$\leq 100 \mu\text{s}$ pulse width or 10% duty cycle.]

GaN Power Amplifiers	Frequency Response (GHz)	Gain (dB)	Gain Flatness ($\pm\text{dB}$)	Noise Figure (dB)	Psat (+dBm)	Psat CW (Watts)	VSWR In/Out	Volts (DC)	Current Psat (mA)	CTT Case Outline	Case Dimensions (L x W x H)
Model Number	Min	Min	Max	Max	Min	Min	Max		Typ		Inches
AGN/035-4959-P	3.1-3.5	59	2	6	49.0	80 W	2:1	30	—	SP	Contact CTT
AGN/035-5262-P	3.1-3.5	62	2	6	51.8	150 W	2:1	30	—	SP	Contact CTT
AGN/035-5565-P	3.1-3.5	65	2	6	54.5	280 W	2:1	30	—	SP	Contact CTT
AGW/085-4858-P	5.5-8.5	58	3	6	47.8	60 W	2:1	30	—	SP	Contact CTT
AGW/085-5060-P	5.5-8.5	60	3	6	50.0	100 W	2:1	30	—	SP	Contact CTT
AGN/093-4652-P	8.5-9.3	52	2	6	46.0	40 W	2:1	30	7000	NDX14	4.14 x 3.5 x .68
AGN/093-4957-P	8.5-9.3	57	2	6	49.0	80 W	2:1	30	13800	NQX14	4.32 x 4.5 x .68
AGN/093-5260-P	8.5-9.3	60	2	6	52.0	160 W	2:1	30	27000	SP	Contact CTT
AGN/096-4652-P	8.5-9.6	52	2	6	46.0	40 W	2:1	30	7000	NDX14	4.14 x 3.5 x .68
AGN/096-4957-P	8.5-9.6	57	2	6	49.0	80 W	2:1	30	13800	NQX14	4.32 x 4.5 x .68
AGN/096-5260-P	8.5-9.6	60	2	6	52.0	160 W	2:1	30	27000	SP	Contact CTT
AGN/096-5360-P	8.5-9.6	60	2	6	53.0	200 W	2:1	42	—	SP	Contact CTT
AGN/096-5660-P	8.5-9.6	60	2	6	56.0	400 W	2:1	42	—	SP	Contact CTT
AGN/099-4652-P	9.0-9.9	52	2	6	46.0	40 W	2:1	30	7000	NDX14	4.14 x 3.5 x .68
AGN/099-4957-P	9.0-9.9	57	2	6	49.0	80 W	2:1	30	13800	NQX14	4.32 x 4.5 x .68
AGN/099-5260-P	9.0-9.9	60	2	6	52.0	160 W	2:1	30	27000	SP	Contact CTT
AGN/100-5360-P	9.0-10.0	60	2	6	53.0	200 W	2:1	42	—	SP	Contact CTT
AGN/100-5660-P	9.0-10.0	60	2	6	56.0	400 W	2:1	42	—	SP	Contact CTT
AGN/105-4652-P	9.5-10.5	52	2	6	46.0	40 W	2:1	30	7000	NDX14	4.14 x 3.5 x .68
AGN/105-4957-P	9.5-10.5	57	2	6	49.0	80 W	2:1	30	13800	NQX14	4.32 x 4.5 x .68
AGN/105-5260-P	9.5-10.5	60	2	6	52.0	160 W	2:1	30	27000	SP	Contact CTT
AGN/107-4652-P	9.9-10.7	52	2	6	46.0	40 W	2:1	30	7000	NDX14	4.14 x 3.5 x .68
AGN/107-4957-P	9.9-10.7	57	2	6	49.0	80 W	2:1	30	13800	NQX14	4.32 x 4.5 x .68
AGN/107-5260-P	9.9-10.7	60	2	6	52.0	160 W	2:1	30	27000	SP	Contact CTT

*The AGN-P pulse mode series can only operate at pulse mode, requiring an external TTL signal to turn On/Off the amplifier. The delay plus rise time, or delay plus fall time is less than $2 \mu\text{s}$. Shorter response times are available, ie: 500 ns or faster. Contact the factory.

Wideband & Ultra-Wideband Power Amplifiers (CW)

GaN Power Amplifiers	Frequency Response (GHz)	Gain (dB)	Gain Flatness ($\pm\text{dB}$)	Noise Figure (dB)	Psat (+dBm)	Psat Band Edge (+dBm)	VSWR In/Out	Volts (DC)	Current @SSG (mA)	Current @Psat (mA)	CTT Case Outline	Case Dimensions (L x W x H)
Model Number	Min	Min	Max	Max	Typ	Min	Max		Typ	Typ		Inches
AGX/020-3545	0.1-2	45	2.0	4	36.0	35.0	2:1	30	300	700	HPC8	3.42 x 1.96 x .50
AGX/060-4050	0.5-6	50	3.0	4.5	39.5	39.0	2:1	30	800	2400	HDS12	4.71 x 3.5 x .84
AGM/030-4252	1-3	52	2.5	4	42.5	42.0	2:1	30	1350	4100	HDS12	4.71 x 3.5 x .84
AGM/060-4343	2-6	43	2.5	6	43.0	43.0	2:1	30	1820	4200	NDS12	4.71 x 3.5 x .84
AGM/060-4356	2-6	56	2.5	6	43.0	43.0	2:1	30	1880	4260	NDS12	4.71 x 3.5 x .84
AGM/060-4646	2-6	46	2.5	6	46.0	45.5	2:1	30	3420	7700	NDS12	4.71 x 3.5 x .84
AGX/0218-3946	2-18	46	3	8	39.0	38.0	2.2:1	32	1350	3100	NGX15	4.23 x 3.5 x .67
AGM/180-3940	6-18	40	2.5	7	39.0	38.0	2:1	32	1300	3100	NGX15	4.23 x 3.5 x .67
AGM/180-4250	6-18	50	2.5	7	42.0	41.0	2:1	32	2500	5200	NDX14	4.14 x 3.5 x .68
AGM/180-4444	6-18	44	2.5	7	44.0	43.0	2:1	32	4000	8500	NQX14	4.32 x 4.5 x .68
AGM/180-4458	6-18	58	2.5	7	44.0	43.0	2:1	32	4100	8600	NQX14	4.32 x 4.5 x .68

CTT Power Amplifier Comments:

- Heat sinking is MANDATORY to keep the CASE temperature below $+70^{\circ}\text{C}$, otherwise, permanent damage or degradation may occur. Units can operate at -30°C to $+70^{\circ}\text{C}$. Consult the factory for higher temperature operational requirements.
- For CW amplifiers TTL control, pulsed amplification, monitor, detector and DC-DC power supplies are optional.
- Consult the factory for additional gain, power, frequencies, temperature compensation, special functions, or customer-specified supply voltages.
- Detailed amplifier case outline drawings are available from CTT's Website. SP = Special Enclosure. Please contact the factory for outline drawing.
- Specifications listed are subject to change without notice.



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