

High Performance 3 to 63 Watt GaN Broadband Amplifiers
Typical and Guaranteed Specifications—50 Ω System



Model	Frequency Range MHz	Gain dB Typ.	Noise Figure dB Typ.	P1dB dBm Typ.	P4dB dBm Typ.	P4dB Watts Typ.	IP3/IP2/Pout dBm Typ.	Preamp D.C. Volts Nom.	Preamp D.C. mA Max.	D.C. Volt Nom.	Amps Q/@P3dB Typ.
GaN MEDIUM POWER BROADBAND AMPLIFIERS											
AVP598	50-700	16.5	2.5	38	43.2	20.9	50/64/40	N/A	N/A	28	0.85/1.5
AVP514	50-700	40	3.7*	38	43.2	20.9	50/62/40	12	230	28	1.2/2.3
AVP2515	600-2600	17	4.5	35	41	12.6	48/50/37	N/A	N/A	28	0.85/1.50
AVP2524	600-2600	41	4.5	35	41	12.6	47/48/37	15	185	28	1.25/1.9
AVP2030	500-2400	16	3.7	39	44	25.1	53/65/40	N/A	N/A	28	0.85/2.6
AVP2034	500-2400	40	3.7	39	44	25.1	52/62/40	12	200	28	1.2/3.2
AVP2050	900-2000	14	4	42	48	63.1	55/68/43	N/A	N/A	28	1.6/5.50
GaN PREAMP DRIVER AMPLIFIERS											
A2CP2595	20-500	24	3*	34	36.2	4.2	45/58/27	12	185	28	0.39/0.47
	500-2500	24	3	32.5	34	2.5	40/56/27	12	185	28	0.39/0.47
A2CP2596	20-500	24	4.8*	36.5	37.5	5.6	48/52/23	15	335	28	0.53/0.70
	500-2500	24	4.3	34.5	37.5	5.6	42/48/23	15	335	28	0.53/0.70

* Freq ≥ 100 MHz

Current data sheets available on website.