

Vectawave

SOLID STATE
RF AND
MICROWAVE
AMPLIFIERS

EMC, RF IMMUNITY TESTING

MEDICAL

PARTICLE PHYSICS

MILITARY

Vectawave



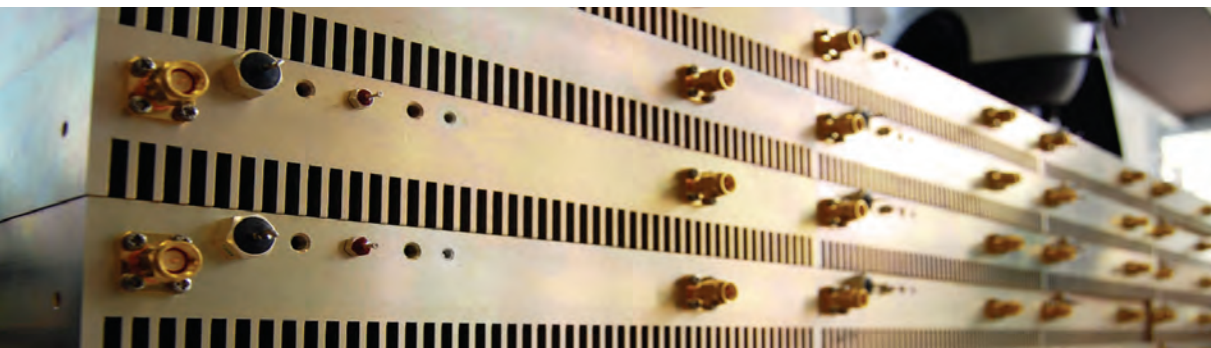
ISO9001 ACCREDITED FOR
DESIGN AND MANUFACTURE



VECTAWAVE HAS BEEN DESIGNING AND MANUFACTURING POWER AMPLIFIERS SINCE 1997.

OUR HIGHLY SKILLED TEAM AND HI TECH PURPOSE BUILT FACTORY EQUIPPED WITH CUTTING EDGE DESIGN, BUILD AND TEST FACILITIES ENABLE VECTAWAVE TO DEVELOP, MANUFACTURE AND SUPPORT OUR PRODUCTS TO THE HIGHEST STANDARDS.

OUR AMPLIFIERS ARE BASED ON PROVEN TECHNOLOGY AND ARE IN USE IN EMC LABS AND TEST HOUSES AROUND THE WORLD. VECTAWAVE AMPLIFIERS ARE DESIGNED TO MEET THE SPECIFIC AND ARDUOUS REQUIREMENTS OF EMC APPLICATIONS, AND ARE IDEAL FOR INTEGRATION INTO EMC IMMUNITY TEST SYSTEMS.



WE DESIGN EVERY ELEMENT IN THE RF PATH SPECIFICALLY TO MATCH THE AMPLIFIER SPECIFICATION



APPLICATIONS:

- EMC, RF IMMUNITY TESTING
- MEDICAL
- PARTICLE PHYSICS
- MILITARY



VBA100 Series
10kHz - 100MHz
30W - 1100W



VBA230 Series
150kHz - 230MHz
22W - 80W

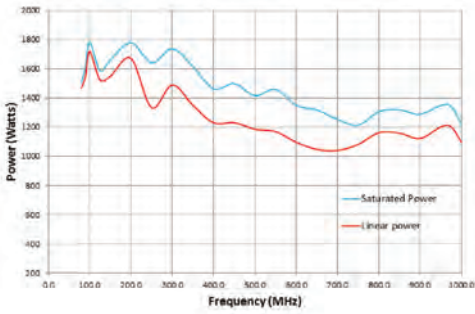


VBA250 Series
1kHz - 250MHz
80W - 2500W



VBA400 Series
10kHz - 400MHz
30W - 260W

P1dB Measured Data



THE TYPICAL 80 - 1000MHz 1kW VECTAWAVE AMPLIFIER DELIVERS A USEFUL 1500W AT LOWER FREQUENCIES AND >1200W P3dB ACROSS THE BAND.



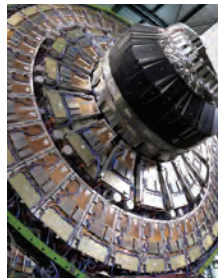
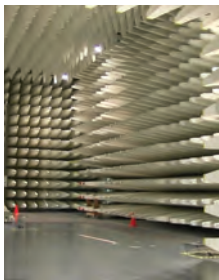
VBA1000 - 250
80-1000MHz 250W Amplifier

Rugged push-pull Silicon LDMOS technology
Class A for maximum mismatch drive
General linear power requirements



VBA2000-4000P
1-2GHz 4kW Pulsed Amplifier

Solid State GaN technology
RTCA DO-160 Section 20 testing
CW capabilities
Internal Pulse Generation



VBA1000 Extended Series
10kHz - 1000MHz
18W - 70W



VBA1000 Series
80 - 1000MHz
30W - 2kW



VBA2000 Series
1 - 2GHz, 100W - 375W
1kW - 8kW Pulsed



VBA2700HE Series
0.7 - 2.7GHz
100W - 200W

MODEL	FREQUENCY RANGE	RATED POWER (W)	P1dB (W)	AMPLIFIER CLASS	AC POWER	AC SUPPLY VOLTAGE
VBA 100-30	10kHz-100MHz	30	25	A	<120VA	85-264V ac
VBA 100-110		110	90	A	<500VA	85-264V ac
VBA 100-200		200	150	A	<1kVA	85-264V ac
VBA 100-400		400	300	A	<2kVA	184-264V ac
VBA 100-900		900	700	A	<3kVA	184-264V ac
VBA 100-1100		1100	1000	A	<6kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 230-22	150kHz-230MHz	22	16	A	<120VA	85-264V ac
VBA 230-35		35	25	A	<140VA	85-264V ac
VBA 230-80		80	70	A	<400VA	85-264V ac
VBA 250-80	10kHz-250MHz	80	60	A	<400VA	85-264V ac
VBA 250-120		120	90	A	<1kVA	100-240V ac ($\pm 10\%$)
VBA 250-400		400	300-250	A	<1kVA	100-240V ac ($\pm 10\%$)
VBA 250-600		600	600-350	A	<3kVA	184-264V ac
VBA 250-800		800	650-500	A	<3kVA	184-264V ac
VBA 250-2500		2500	2100-1300	A	<11kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 400-100	1 to 400MHz	100	75	A	<1kVA	85-264V ac
VBA 400-30	10kHz to 400MHz	30	20	A	<140VA	100-240V ac (+/-10%)
VBA 400-60		60	50	A	<400VA	100-240V ac (+/-10%)
VBA 400-80		80	60	A	<400VA	85-264V ac
VBA 400-110		110	80	A	<1kVA	100-240V ac (+/-10%)
VBA 400-150		150	100	A	<1kVA	100-240V ac (+/-10%)
VBA 400-260		260	210	A	<2kVA	100-264V ac
VBA 1000-18	100kHz-1000MHz	18	15	A	<150VA	85-264V ac
VBA 1000-35	1MHz-1000MHz	35	20	A	300VA	85-264V ac
VBA 1000-45	10kHz-1000MHz	45	35-20	A	300VA	85-264V ac
VBA 1000-70	10MHz-1000MHz	70	60	A	<500VA	85-264V ac
VBA 1000-30	80-1000MHz	30	20	A	300VA	85-264V ac
VBA 1000-65		65	60	A	<500VA	85-264V ac
VBA 1000-100		100	90	A	<1kVA	85-264V ac
VBA 1000-150		150	120	A	<1kVA	85-264V ac
VBA 1000-250S		250	300-(200 at 950MHZ)	A	<1kVA	100-240V ac (+/-10%)
VBA 1000-275		275	220	A	<2kVA	184-264V ac
VBA 1000-500		500	400	A	<4kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 1000-1000		1000	800	A	<6kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 1000-2000	200-1000MHz	2000	1700	A	<12kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 2000-100	1000-2000MHz	100	90	A	<1kVA	90-264V ac
VBA 2000-200		200	170	A	<1.6kVA	180-264V ac
VBA 2000-375		375	330	A	<3kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 3100-7	800-3100MHz	7	5	A	<150VA	85-264V ac
VBA 3100-12		12	10-8	A	<150VA	85-264V ac
VBA 3100-25		25	23-20	A	<200VA	85-264V ac
VBA 3100-50		50	45-40	A	<500VA	85-264V ac
VBA 3100-100		100	90-80	A	<1kVA	90-264V ac
VBA 3100-180		180	170-150	A	<1.6kVA	180-264V ac
VBA 3100-300		300	290-200	A	<3kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 3100-450		450	400-350	A	<4kVA	200-240V ac or 350-415V ac (3 Phase)
VBA 6000-20	2-6GHz	20	15-12	A	<250VA	85-264V ac
VBA 6000-40		40	28-22	A	<500VA	85-264V ac
VBA 2560-1	2.5-6GHz	1.2	1	A	<20VA	12Vdc(100-240V ac with power pack)
VBA 2500-3	10-2500MHz	3	3	A	<20VA	12Vdc(100-240V ac with power pack)
VBA 2700-100D-HE	0.7-2.7GHz	100	-	AB	<1.5kVA	100-264V ac
VBA 2700-100-HE		100	-	AB	<1.5kVA	100-264V ac
VBA 2700-200-HE		200	-	AB	<1.5kVA	100-264V ac
VBA1200/1400-1000	1.2-1.4GHz	1000	-	AB	<6.5kVA	190-225V ac or 346-415V ac (3 Phase)
VBA2700/3100-500	2.7-3.1GHz	500	-	AB	<4kVA	190-225V ac or 346-415V ac (3 Phase)
PULSED AMPLIFIER						
VBA2000-1000P	1-2GHz	1000	1000	AB	<1kVA	200-240V ac
VBA2000-2000P		2000	2000	AB	<1.7kVA	200-240V ac
VBA2000-4000P		4000	4000	AB	<3kVA	200-240V ac
VBA2000-8000P		8000	8000	AB	<8kVA	200-240V ac or 350-415V ac (3 Phase)



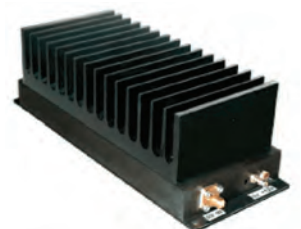
VBA3100 Series
0.8 - 3.1GHz
12W - 450W



VBA6000 Series
2 - 6GHz
20W - 40W



Narrow band automotive
L and S band
up to 1kW



General purpose
amplifier modules

VECTAWAVE TECHNOLOGY LIMITED IS A MANUFACTURER OF ROBUST, AIR COOLED, CLASS A BROADBAND POWER AMPLIFIERS AND COMPONENTS FOR USE IN INDUSTRIAL, MILITARY AND MEDICAL APPLICATIONS.

OUR AMPLIFIER RANGES COVER 10kHz - 6GHz WITH POWERS UP TO 8kW.

AMPLIFIER FEATURES AND OPTIONS

DUAL FUNCTION
STANDBY/OPERATE
SWITCH

MULTIFUNCTION DISPLAY; FEATURES
INCLUDE, FORWARD AND REVERSE POWER
INDICATION, FAULT CONDITIONS AND
INTERFACE CONFIGURATION OPTIONS

THE OPTION OF
RACK MOUNTABLE
OR BENCH TOP
CHASSIS IS
AVAILABLE ON
MOST MODELS



GPIB, USB AND
ETHERNET
INTERFACES ARE
AVAILABLE ON
MOST MODELS

OPTION OF
FRONT OR REAR
PANEL CONNECTIONS
AVAILABLE ON
MOST MODELS

AUDIBLE NOISE
REDUCING TECHNIQUES
FEATURE ON MANY
MODELS



DUAL INTERLOCKS
FOR A CHOICE OF
SHORT OR OPEN
CIRCUIT OPERATION

SPECIALISING EXCLUSIVELY
IN THE DESIGN AND
MANUFACTURE OF POWER
AMPLIFIERS SINCE 1997



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ALL VECTAWAVE AMPLIFIERS COME WITH AN IMPRESSIVE THREE YEAR PARTS AND LABOUR WARRANTY.

VECTAWAVE IS ACCREDITED TO ISO9001 FOR DESIGN AND MANUFACTURE.

VECTAWAVE PROVIDES THE FOLLOWING KEY SERVICES FOR ITS PRODUCTS:

TECHNICAL SUPPORT

EQUIPMENT REPAIR

SPARES LOGISTICS

CUSTOMER SERVICE

VECTAWAVE IS REPRESENTED WORLDWIDE, PLEASE CONTACT US FOR YOUR LOCAL SALES OFFICE.

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