

# GENERAL PURPOSE LINEAR AMPLIFIERS

## Series AR



800-2000 MHz 10 Watts

Series AR amplifiers are rack-mountable units which incorporate the Series AM amplifier in a cabinet containing a built-in universal AC power supply (for models up to 100 watts). Models are available for operation at frequencies from 20 to 3000 MHz and power from 10 to 300 watts. AR models are also available with an optional IEEE BUS for remote control and monitoring (ARD version).

Model No.	Frequency (MHz)	Power Out P1dB	Out Sat	Gain at P1dB (dB min)	KVA	Dimensions						Weight		
						H (in)	(cm)	W (in)	(cm)	L (in)	(cm)	(lbs)	(kg)	
AR2758-10	20-500	10	15	40	0.115	5.22	13.26	19	48.26	22	55.88	25	11.36	
AR2758-25	20-500	25	30	44	0.375	5.22	13.26	19	48.26	22	55.88	30	13.64	
AR88258-10	800-2500	10	13	40	0.173	5.22	13.26	19	48.26	22	55.88	25	11.36	
AR88258-30	800-2500	30	34	45	0.438	5.22	13.26	19	48.26	22	55.88	40	18.19	
AR88258-60	800-2500	60	70	47.8	0.645	8.72	22.15	19	48.26	26.25	66.68	80	36.36	
AR88258-150	800-2500	150	200	52	2.1	PA	12.22	31.04	19	48.26	26.25	66.68	115	52.27
						PS	5.22	3.2	19	5.22	22	55.88	5.22	5.22
AR8829-10	800-2000	10	13	40	0.173	5.22	13.26	19	48.26	22	55.88	25	11.36	
AR8829-30	800-2000	30	35	45	0.312	5.22	13.26	19	48.26	22	55.88	35	15.91	
AR8829-50	800-2000	50	55	47	0.404	5.22	13.26	19	48.26	22	55.88	40	18.19	
AR8829-100	800-2000	100	115	50	0.863	8.72	22.15	19	48.26	26.25	66.68	80	36.36	
AR1929-250	1000-2000	250	280	54	2.7	PA	10.5	26.67	19	48.26	26.25	66.68	115	52.27
						PS	5.22	13.26	19	48.26	22	55.88	60	27.27
AR4819-10	400-1000	10	15	40	0.22	5.22	13.26	19	48.26	22	55.88	25	11.36	
AR4819-25	400-1000	25	30	44	0.404	5.22	13.26	19	48.26	22	55.88	35	15.91	
AR4819-50	400-1000	50	55	47	0.404	5.22	13.26	19	48.26	22	55.88	35	15.91	
AR178238-10	1700-2300	10	13	40	0.173	5.22	13.26	19	48.26	22	55.88	25	11.36	
AR178238-30	1700-2300	30	35	45	0.312	5.22	13.26	19	48.26	22	55.88	35	15.91	
AR178238-50	1700-2300	50	55	47	0.404	5.22	13.26	19	48.26	22	55.88	40	18.19	
AR178238-100	1700-2300	100	115	50	1.04	8.72	22.15	19	48.26	26.25	66.68	80	36.36	
AR178228-200	1750-2120	200	225	54	2.54	PA	10.5	26.67	19	48.26	26.25	66.68	109	52.27
						PS	5.22	13.26	19	48.26	22	55.88	30	13.64
AR178228-300	1750-2120	260	300	54.7	1.5	PA	12.22	31.04	19	48.26	26.25	66.68	115	52.27
						PS	5.22	13.26	19	48.26	22	55.88	60	27.27
AR17839-10	1700-3000	10	13	40	0.138	5.22	13.26	19	48.26	22	55.88	25	11.36	
AR17839-30	1700-3000	30	35	45	0.312	5.22	13.26	19	48.26	22	55.88	35	15.91	
AR17839-50	1700-3000	50	60	47	0.46	5.22	13.26	19	48.26	22	55.88	40	18.19	

Specifications are subject to change without notice.

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## ELECTRICAL

RF Input Signals .....	CW, AM, FM, Phase and Pulse Modulation
Harmonics .....	-20dBc Max
Spurious .....	-60dBc Max
Input VSWR.....	2.0:1 Max
Load VSWR.....	Open / Short Circuit Protected, Unconditionally Stable
Noise Figure.....	10dB Typical
Maximum RF Input .....	10dBc above the input required to achieve P1dB
RF Connectors .....	Type N Female Front or Rear mount available

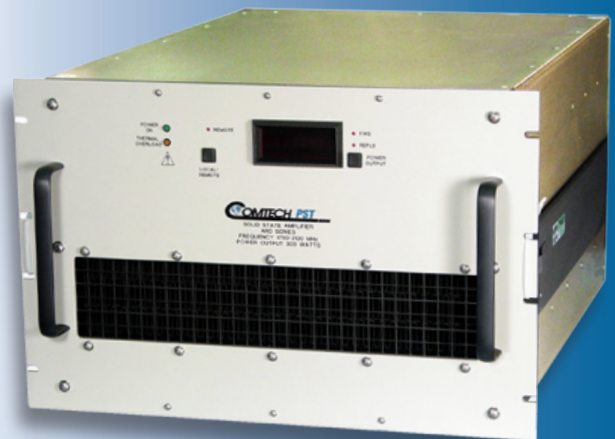
## Model

- AR2758 ..... +/-2.0dB
- AR88258 ..... +/-1.5dB
- AR8829 ..... +/-1.5dB
- AR4819 ..... +/-1.0dB
- AR178238 ..... +/-1.0dB
- AR17839 ..... +/-1.0dB

AC Input:.....	Power Factor Corrected Universal AC input 100 - 240Vac, 50/60Hz for models up to 100 Watts. Power Factor Corrected AC input 200 - 240Vac, 50/60Hz for models above 100 Watts. 3 Phase input available.
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## AVAILABLE OPTIONS

- Digital Interfaces available: ETHERNET, RS232, IEEE488
- Noise Quiet, Remote On/Off
- Rack Mounting Slides
- Custom Specifications



1750-2120 MHz 300 Watts

- Frequency Range: 800 MHz to 3.0 GHz; bandwidths to multi-octave
- Power Output: 10 to 300 watts
- Universal AC input (Models up to 100 watts)