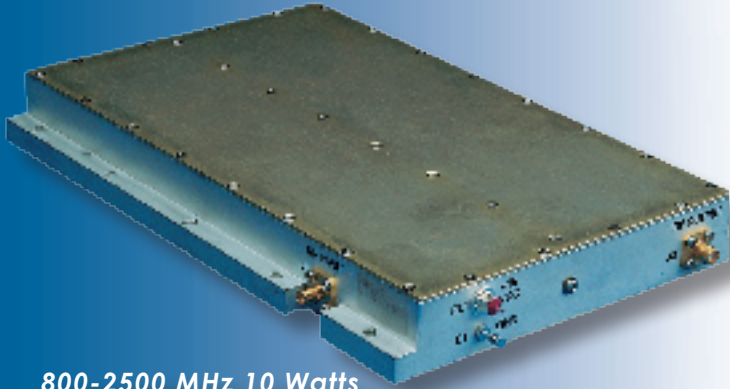


# GENERAL PURPOSE LINEAR AMPLIFIERS

## Series AM



800-2500 MHz 10 Watts

- Frequency Range: 20 MHz to 3 GHz, bandwidths to multi-octave
- Power Output: 2 to 50 Watts

*Series AM amplifiers are available for operating frequencies from 20 MHz to 2 GHz and output power from 2 to 50 Watts at 1 dB compression. Their design utilizes the most advanced state-of-the-art technologies in RF/microwave power, including combination techniques and component selection of transistors.*

### 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 .....	SMA Female
Model	
• AM2758 .....	+/-2.0dB
• AM88258 .....	+/-1.5dB
• AM8829 .....	+/-1.5dB
• AM4819 .....	+/-1.0dB
• AM178238 .....	+/-1.0dB
• AM17839 .....	+/-1.0dB

### AVAILABLE OPTIONS

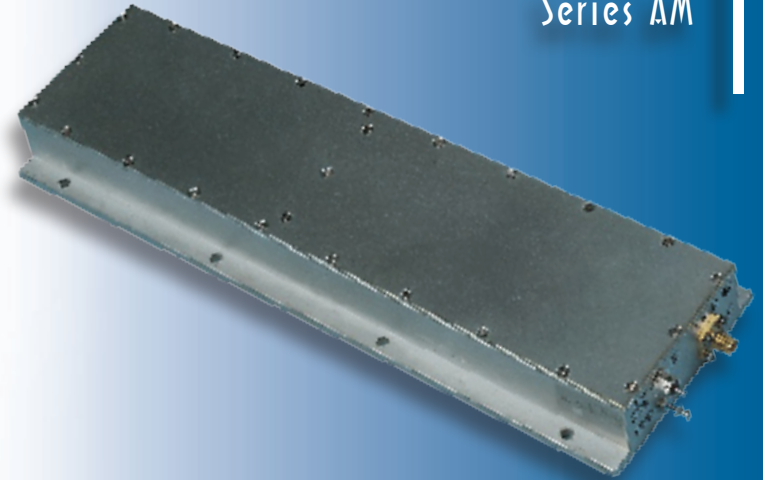
- Noise Quiet
- Custom Specifications
- Other Frequency Ranges, Power Levels, Gains and Connectors

# GENERAL PURPOSE LINEAR AMPLIFIERS

Series AM



400-1000MHz, 50 Watts



1.7-2.3 GHz 10 Watts

Model No.	Frequency (MHz)	Power Out		Gain at P1dB (dB min)	Current (amps max)	Dimensions						Weight		
		P1dB	Sat			H (in)	H (cm)	W (in)	W (cm)	L (in)	L (cm)	(lbs)	(kg)	
AM2758-10	20-500	10	15	40	3.35A @ 24Vdc	1.75	4.45	3.625	9.21	6.00	15.24	1.6	0.73	
AM2758-25	20-500	25	30	44	7.5A @ 24Vdc	1.62	4.11	3.63	9.21	8.50	21.59	3.20	1.45	
AM88258-10	800-2500	10	13	40	7.5A @ 15Vdc	1.06	2.69	6.24	15.85	9.38	23.82	3	1.36	
AM88258-30	800-2500	30	34	45	Call sales dept for full information									
AM88258-50	800-2500	50	55	47										
AM8829-5	800-2000	5	6	37	3A @ 15Vdc	1.06	2.69	3.35	8.51	10.68	27.13	1.8	0.82	
AM8829-10	800-2000	10	13	40	5.5A @ 15Vdc	1.06	2.69	3.35	8.57	10.68	27.13	1.8	0.82	
AM8829-30	800-2000	30	34	45	14.5A @ 15Vdc	1.06	2.69	7.125	18.1	9.875	25.08	4	1.82	
AM8829-50	800-2000	50	55	47	23.5A @ 15Vdc	1.06	2.69	7.5	19.05	14.4	36.58	6	2.73	
AM4819-10	400-1000	10	12	44	5A @ 26Vdc	1.3	3.3	4	10.16	6	15.24	1.5	0.68	
AM4819-50	400-1000	50	70	47	11A @ 26Vdc	1.5	3.81	3.75	9.52	11.5	29.21	3.5	1.59	
AM178238-10	1700-2300	10	13	40	5.5A @ 15Vdc	1.06	2.69	3.35	8.51	10.68	27.13	1.8	0.82	
AM178238-30	1700-2300	30	34	45	14.5A @ 15Vdc	1.06	2.69	7.125	18.1	9.875	25.08	4	1.82	
AM17839-10	1700-3000	10	13	40	7.5A @ 15Vdc	1.06	2.69	3.35	8.51	13.25	33.66	2.2	1	
AM17839-30	1700-3000	30	33	45	17A @ 15Vdc	1.06	2.69	7.125	15.85	9.875	25.08	4	1.82	

Specifications are subject to change without notice.