

Power Amplifier

Specifications

Model or Series	AT6000	AT4000	AT54xNC	AT542NC	AT52xNC	AT52xNC	AT1800	AT6012
Number of Channels	2-7	2-7	3 or 4	2	5-8	2-4	2-7	12
EIA 1kHz Output Power at 8Ω*	350 watts	250 watts	650 watts	650 watts	250 watts	250 watts	250 watts	75 watts
EIA 1kHz Output Power at 4Ω*	475 watts	375 watts	1000 watts	1000 watts	375 watts	375 watts	375 watts	120 watts
FTC Full Bandwidth Output Power at 8Ω**	300 watts	200 watts	500 watts	500 watts	200 watts	200 watts	200 watts	60 watts
FTC Full Bandwidth Output Power at 4Ω**	450 watts	300 watts	900 watts	900 watts	300 watts	300 watts	300 watts	90 watts
Input Sensitivity for Full Rated Output	2.0 volts	1.6 volts	2.5 volts	2.5 volts	1.6 volts	1.6 volts	1.6 volts	1.0 volts
Frequency Response	±.1dB 20-20 kHz	±.1dB 20-20 kHz	+0,-.5dB 20-20kHz	+0,-.5dB 20-20kHz	+0,-.5dB 20-20kHz	+0,-.5dB 20-20kHz	±.1dB 20-20 kHz	±.1dB 20-20 kHz
Phase Response	+5 to -15 degrees, 20 Hz–20 kHz at 1 watt							
Signal-to-Noise Ratio “A-Weighted”	>128 dB	>128 dB	>123 dB	>123 dB	>123 dB	>123 dB	>120 dB	>120 dB
Total Harmonic Distortion (20 Hz–20)	<0.03%	<0.03%	0.02%	0.02%	0.02%	0.02%	<0.03%	<0.03%
Intermodulation Distortions (IMD)	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%
Load Impedance	Safe with all types of loads. Rated for 4 to 16Ω							
Power Bandwidth FTC	+0,-3 dB 5-100 kHz	+0,-3 dB 5-100 kHz	+0,-3 dB 20-40 kHz	+0,-3 dB 20-40 kHz	+0,-3 dB 20-40 kHz	+0,-3 dB 20-40 kHz	0,-3 dB 5-100 kHz	+0,-3 dB 5-100 kHz
Damping Factor	>400	>400	>5000	>5000	>5000	>5000	>400	>400
Crosstalk	Greater than 100 dB from 20 Hz–20 kHz							
Voltage Gain through RCA Jacks	28 dB	28 dB	27.8 dB	27.8 dB	27.8 dB	27.8 dB	28 dB	28 dB
Voltage Gain through XLR Jacks	28 dB	28 dB	27.8 dB	27.8 dB	27.8 dB	27.8 dB	NA	NA
Slew Rate	>60V/μSec	>60V/μSec	>60V/μSec	>60V/μSec	>60V/μSec	>60V/μSec	>50V/μSec	>50V/μSec
Input Impedance	28 kΩ	28 kΩ	47 kΩ	47 kΩ	47 kΩ	47 kΩ	28 kΩ	28 kΩ
DC Output Offset	Less than ±.1mV	Less than ±.1mV	Less than ±10mV	Less than ±10mV	Less than ±10mV	Less than ±10mV	Less than ±5mV	Less than ±5mV
Power Requirements	120VAC***	120VAC***	120/230VAC	120/230VAC	120/230VAC	120/230VAC	120VAC***	120VAC***
Chassis Dimensions (W x H x D) Inches	17¼x9½x18½	17¾x8x16¾	17x5¼x15½	17x5¼x105/8	17x5¼x15½	17x5¼x105/8	17x7x16½	17x7x16
Chassis Dimensions (W x H x D) millimeters	438x241x470	438x208x429	432x146x394	432x146x270	432x146x394	432x146x270	432x178x419	432x178x407
Net Weight (lbs/kg) Model Dependent	86-143/39-65	51-93/23-42	39-65½/17.8-29.8	39-65½/17.8-29.8	39-65½/17.8-29.8	39-65½/17.8-29.8	50-93/23-43	73/33
Shipping Weight (lbs/kg) Model Dependent	96-153/43.6-69.6	62-105/28-48	49-75½/22.3-34.4	49-75½/22.3-34.4	49-75½/22.3-34.4	49-75½/22.3-34.4	62-105/28-48	82/38

*EIA 1kHz Power refers to maximum average power in watts at 1kHz with 0.005% THD + Noise. **FTC Full Bandwidth Power refers to maximum average power in watts from 20 Hz to 20 kHz with 0.03% THD + noise.
 ***Other voltages available on request.