



### ■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Supply Voltage	V <sub>CC</sub>	24	V
Supply Current	I <sub>CC</sub>	3.5	A
Power Dissipation	P <sub>D</sub> *	41.7	W
Operating Ambient Temperature	T <sub>opr</sub>	- 30 ~ + 75	°C
Storage Temperature	T <sub>stg</sub>	- 55 ~ + 150	°C

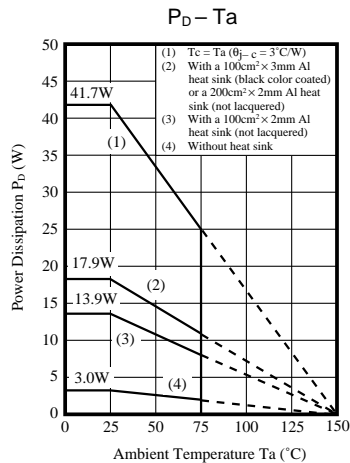
\* R<sub>θj-c</sub> = 3°C/W

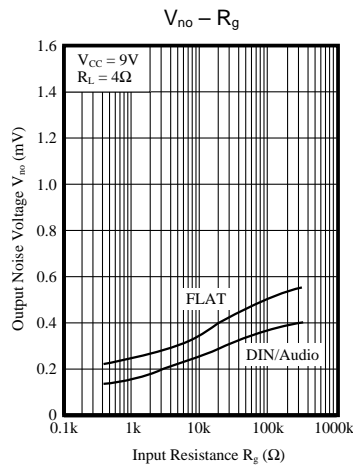
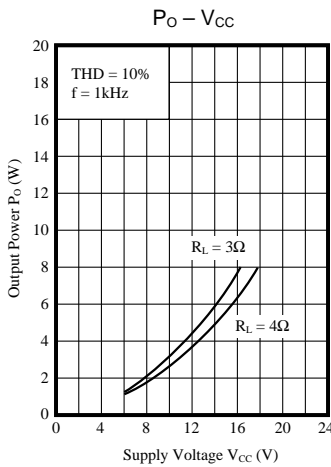
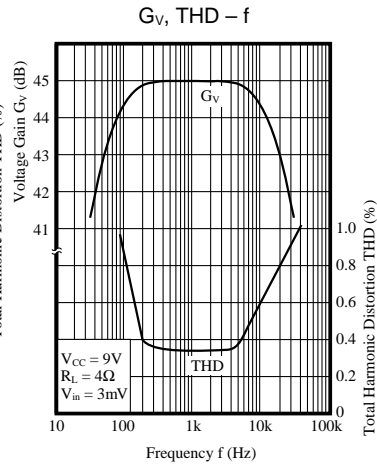
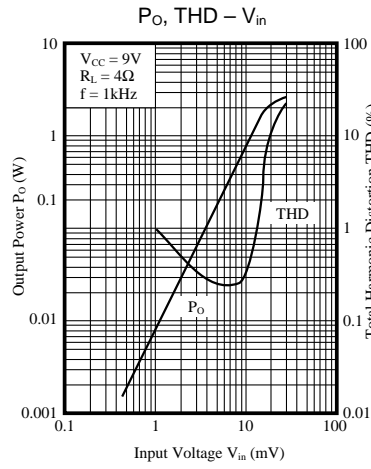
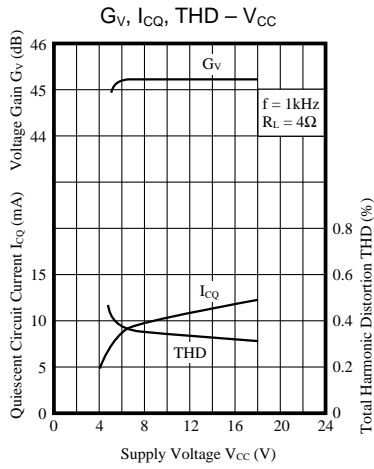
### ■ Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Condition	min.	typ.	max.	Unit
Quiescent Circuit Current	I <sub>CQ</sub>	V <sub>CC</sub> = 9V, R <sub>L</sub> = 4Ω, V <sub>in</sub> = 0mV	—	13	19	mA
Output Noise Voltage	V <sub>no</sub> *	V <sub>CC</sub> = 9V, R <sub>L</sub> = 4Ω, V <sub>in</sub> = 0mV, R <sub>g</sub> = 10kΩ	—	0.25	0.50	mV
Voltage Gain (Gain)	G <sub>V</sub>	V <sub>CC</sub> = 9V, R <sub>L</sub> = 4Ω, V <sub>in</sub> = 3mV, f = 1kHz	42.5	44.5	46.5	dB
Total Harmonic Distortion	THD	V <sub>CC</sub> = 9V, R <sub>L</sub> = 4Ω, V <sub>in</sub> = 3mV, f = 1kHz	—	0.20	0.75	%
Maximum Output Power (4Ω)	P <sub>O(max.)</sub>	V <sub>CC</sub> = 9V, R <sub>L</sub> = 4Ω, THD = 10%, f = 1kHz	1.75	2.10	—	W
Channel Balance	CB	V <sub>CC</sub> = 9V, R <sub>L</sub> = 4Ω, V <sub>in</sub> = 3mV, f = 1kHz	—	0	1	dB
Maximum Output Power (8Ω)	P <sub>O(max.)</sub> 8	V <sub>CC</sub> = 9V, R <sub>L</sub> = 8Ω, THD = 10%, f = 1kHz	—	1.25	—	W
Maximum Output Power (3Ω)	P <sub>O(max.)</sub> 3	V <sub>CC</sub> = 9V, R <sub>L</sub> = 3Ω, THD = 10%, f = 1kHz	—	2.6	—	W

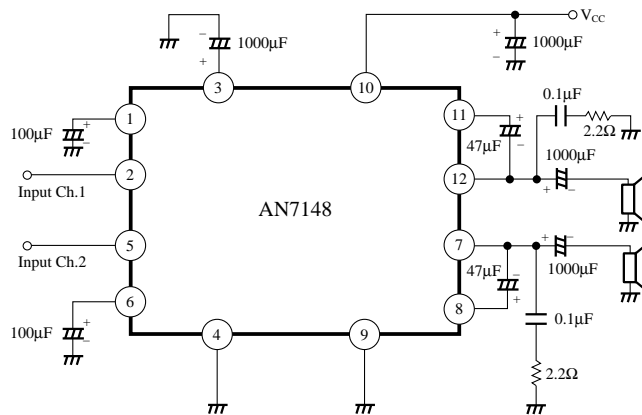
Note) Operating Supply Voltage Range : V<sub>CC(opr.)</sub> = 6 ~ 18V

\* Filter with band width of 15Hz ~ 30kHz (12dB/oct) should be used for V<sub>no</sub> measurement.





■ Application Circuit



## ■ Printed Circuit Board Layout

