

Audio Power Amplifiers

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics				Package Outline
μ PC571C	Stereo set Tape recorder Radio receiver ($P_O = 6.5W @ 8\Omega$)	<ul style="list-style-type: none"> Differential input 2-stage amplifier Quasi complementary output stage Built-in short protection circuit Single or dual power supply operation 	$\pm 10 \sim \pm 14$	(Ta = 25°C, V _{CC} = ±12V, f = 1kHz, R _L = 8Ω)				14-pin DIP ①
				I _{CC}	10~22	~35	(mA)	
P _O	6~6.5	~	(W)					
Av	44~46	~48	(dB)					
T.H.D.	~1	~3	(%)					
NL	~1	~5	(mV)					
Ri	16~20	~24	(kΩ)					
μ PC575C2	Cassette tape recorder Car stereo set Car radio receiver Stereo set Record player ($P_O = 2W @ 8\Omega$)	<ul style="list-style-type: none"> Differential input 2-stage amplifier Quasi complementary output stage 	9~17	(Ta = 25°C, V _{CC} = 13.2V, f = 1kHz, R _L = 8Ω)				8-pin DIP with TAB ②
				I _{CC}	8~12	~16	(mA)	
P _O	1.5~2.0	~	(W)					
Av	51~	~56	(dB)					
T.H.D.	~0.5	~1.5	(%)					
NL	~0.4	~0.8	(mV)					
μ PC576H	Stereo set Tape recorder Record player ($P_O = 3.5W @ 8\Omega$)	<ul style="list-style-type: none"> Differential input 2-stage amplifier Quasi complementary output stage 	8~24	(Ta = 25°C, V _{CC} = 18V, f = 1kHz, R _L = 8Ω)				10-pin SIP ③
				I _{CC}	25~35	~45	(mA)	
P _O	3~3.5	~	(W)					
Av	49~	~56	(dB)					
T.H.D.	~0.65	~1.8	(%)					
NL	~0.36	~0.8	(mV)					
Ri	~20	~	(kΩ)					
μ PC578C	Stereo set Tape recorder Radio receiver ($P_O = 7W @ 8\Omega$)	<ul style="list-style-type: none"> Differential input 2-stage amplifier Quasi complementary output stage Single or dual power supply operation 	$\pm 9 \sim \pm 15$	(Ta = 25°C, V _{CC} = ±12V, f = 1kHz, R _L = 8Ω)				14-pin DIP ④
				I _{CC}	10~22	~35	(mA)	
P _O	6~7	~	(W)					
Av	44~45	~46	(dB)					
T.H.D.	~0.5	~1.5	(%)					
NL	~0.3	~0.8	(mV)					
Ri	16~20	~24	(kΩ)					
μ PC1025H	Car stereo set Car radio receiver ($P_O = 4.8W @ 4\Omega$)	<ul style="list-style-type: none"> Direct coupled 2-stage amplifier Common emitter output stage 	9~17	(Ta = 25°C, V _{CC} = 13.2V, f = 1kHz, R _L = 4Ω)				10-pin SIP ⑤
				I _{CC}	15~28	~45	(mA)	
P _O	4.0~4.8	~	(W)					
Av	49~51.5	~52	(dB)					
T.H.D.	~0.6	~1.2	(%)					
NL	~1.4	~4.0	(mV)					
μ PC1154H	Car stereo set Car radio receiver ($P_O = 4.8W @ 4\Omega$)	<ul style="list-style-type: none"> Differential input 3-stage amplifier Quasi complementary output stage 	10~17	(Ta = 25°C, V _{CC} = 13.2V, f = 1kHz, R _L = 4Ω)				10-pin SIP ⑥
				I _{CC}	16~32	~55	(mA)	
P _O	4.0~4.8	~	(W)					
Av	49~52	~56	(dB)					
T.H.D.	~0.3	~1.2	(%)					
NL	~1.4	~4.0	(mV)					
μ PC1155H	Car stereo set Car radio receiver ($P_O = 5.5W @ 4\Omega$)	<ul style="list-style-type: none"> Differential input 3-stage amplifier Quasi complementary output stage 	9~17	(Ta = 25°C, V _{CC} = 13.2V, f = 1kHz, R _L = 4Ω)				10-pin SIP ⑦
				I _{CC}	18~30	~60	(mA)	
P _O	4.8~5.5	~	(W)					
Av	49~51.2	~52	(dB)					
T.H.D.	~0.5	~1.2	(%)					
NL	~1.4	~4	(mV)					
μ PC1156H	Car stereo set Car radio receiver ($P_O = 5.8W @ 4\Omega$)	<ul style="list-style-type: none"> Differential input 3-stage amplifier Quasi complementary output stage 	9~17	(Ta = 25°C, V _{CC} = 13.2V, f = 1kHz, R _L = 4Ω)				10-pin SIP ⑧
				I _{CC}	18~30	~60	(mA)	
P _O	5.0~5.8	~	(W)					
Av	52~55	~58	(dB)					
T.H.D.	~0.3	~1.0	(%)					
NL	~1.4	~4	(mV)					