

Audio Power Amplifiers (Continued)

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics			Package Outline		
μ PC1181H μ PC1182H	Car stereo set Car radio receiver ($P_O = 9.2W @ 2\Omega$)	<ul style="list-style-type: none"> Differential input 3-stage amplifier Quasi complementary output stage 	9.5~18	(Ta = 25°C, VCC = 13.2V, f = 1kHz, RL = 4Ω)			7-pin SIP Ⓛ		
				ICC	~40 ~	(mA)		Vi=0	
				PO	5.0~5.8 ~	(W)		T.H.D.=10%	
				PO	~9.2 ~	(W)		T.H.D.=10%, RL=2Ω	
				T.H.D.	~0.3 ~	(%)		PO=0.5W	
				T.H.D.	~0.4 ~	(%)		PO=1W, RL=2Ω	
				POM	~9.5 ~	(W)			
				Av	~55 ~	(dB)		PO=0.5W	
				NL	~0.9 ~	(mVr.m.s.)		RG=0Ω	
μ PC2002H/V	Car stereo set Car radio receiver ($P_O = 9.0W @ 2\Omega$)	<ul style="list-style-type: none"> Differential input 3-stage amplifier Quasi complementary output stage 	8~18	(Ta = 25°C, f = 1kHz)			5-pin SIP V type M H type Ⓝ		
				VCC = 14.4V		13.2V			
				ICC	~60 ~	60 (mA)		Vi=0	
				PO	~5.4 ~	4.5 (W)		T.H.D.=10%, RL=4Ω	
				PO	~9.0 ~	7.5 (W)		T.H.D.=10%, PL=2Ω	
				T.H.D.	~0.05 ~	0.05 (%)		PO=0.5W, RL=4Ω	
				T.H.D.	~0.06 ~	0.06 (%)		PO=1W, RL=2Ω	
				Av	~80 ~	78.5 (dB)		RL=4Ω	
				Av	39.5~40 ~	40.5 40 (dB)		RL=4Ω, PO=0.5W	
				NL	~0.4 ~	0.4 (mVr.m.s.)		RG=0	
				Ri	70~150 ~	150 (kΩ)			
				SVR	~-39 ~	-39 (dB)		RL=4Ω, RL=10kΩ, fripple=100Hz, Vripple=0.5V	

Channel Selector

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics			Package Outline	
μ PC1009C	4-Channel selector	<ul style="list-style-type: none"> Potentiometer switch Channel indicator circuit Channel hold circuit Input signal amplifier Initial setting circuit 	9~28	(Ta = 25°C, V18~20, VB = 24V, RB = 3.9kΩ, V1 = 24V)			20-pin DIP K	
				$\Delta V_{11,13}$	1.0~	~1.7 (V)		Remote control input voltage
				VC(ON)	~0.06 ~	~0.1 (V)		Channel selector terminal saturation voltage
				Ia	~100	(nA)		Sensor input current
				Vb(sat)	~0.9 ~	~2.0 (V)		Indicator terminal saturation voltage