Audio Power Amplifiers (Continued)

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics				Package Outline
μPC1181H μPC1182H	Car stereo set Car radio receiver (P_O = 9.2W @2Ω)	• Differential input • 3-stage amplifier • Quasi complementary output stage	9.5~18	(T_a = 25°C, V_{CC} = 13.2V, f = 1kHz, R_L = 4Ω)				7-pin SIP Ⓛ
				I_{CC}	~40 ~	(mA)	Vi=0	
				P_O	5.0~5.8~	(W)	T.H.D.=10%	
				P_O	~9.2~	(W)	T.H.D.=10%, R_L=2Ω	
				T.H.D.	~0.3~	(%)	P_O=0.5W	
				T.H.D.	~0.4~	(%)	P_O=1W, R_L=2Ω	
				P_{OM}	~9.5~	(W)		
				Av	~55 ~	(dB)	P_O=0.5W	
				NL	~0.9~	(mVr.m.s.)	R_G=0Ω	
μPC2002H/V	Car stereo set Car radio receiver (P_O = 9.0W @2Ω)	• Differential input • 3-stage amplifier • Quasi complementary output stage	8~18	(T_a = 25°C, f = 1kHz)				5-pin SIP V type Ⓜ H type Ⓝ
					V_{CC} = 14.4V	13.2V		
				I_{CC}	~60 ~	60 (mA)	Vi=0	
				P_O	~5.4 ~	4.5 (W)	T.H.D.=10%, R_L=4Ω	
				P_O	~9.0 ~	7.5 (W)	T.H.D.=10%, P_L=2Ω	
				T.H.D.	~0.05 ~	0.05 (%)	P_O=0.5W, R_L=4Ω	
				T.H.D.	~0.06 ~	0.06 (%)	P_O=1W, R_L=2Ω	
				Avo	~80 ~	78.5 (dB)	R_L=4Ω	
				Av	39.5~40 ~40.5	40 (dB)	R_L=4Ω, P_O=0.5W	
				NL	~0.4 ~	0.4 (mVr.m.s.)	R_G=0	
				Ri	70~150 ~	150 (kΩ)		
				SVR	~−39 ~	−39 (dB)	R_L=4Ω, R_L=10kΩ, fripple=100Hz, Vripple=0.5V	

Channel Selector

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics				Package Outline
μPC1009C	4-Channel selector	• Potentiometer switch • Channel indicator circuit • Channel hold circuit • Input signal amplifier • Initial setting circuit	9~28	(T_a = 25°C, $V_{18\sim20}$, V_B = 24V, R_B = 3.9kΩ, V_1 = 24V)				20-pin DIP Ⓚ
				$\Delta V_{11,13}$	1.0~ ~1.7	(V)	Remote control input voltage	
				V_C(ON)	~0.06 ~0.1	(V)	Channel selector terminal saturation voltage	
				I_a	~100	(nA)	Sensor input current	
				$V_{b(sat)}$	~0.9 ~2.0	(V)	Indicator terminal saturation voltage	