FM Multiplex Stereo Demodulators

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics					Package Outline
				(Ta = 25°C, V_{CC} = 9V, f = 1kHz, Vi = 200mV)					
μPC554C	Car stereo set Home stereo set FM tuner	Stereo demodulator, Stereo/monaural switch (Auto/Manual), Audio muting circuit, and Stereo indicator lamp driver	5.5~15	I_{CC}	~10	~18	(mA)		14-pin DIP Ⓖ
				Sep.	35~45	~	(dB)		
				Av	~−1.5	~	(dB)		
				Ch. B	~0.2	~2	(dB)	Monaural	
				T.H.D.	~0.5	~1.0	(dB)	Monaural	
				Lamp-on	~12	~22	(mV)	Pilot level	
				Ri	~20	~	(kΩ)		
				(Ta = 25°C, V_{CC} = 4V, f = 1kHz, Vi = 100mV)					
μPC585C	Portable FM stereo radio receiver Cassette-taperecorder with FM radio receiver	Stereo demodulator, Preamplifier, Stereo/monaural switch, and Stereo indicator lamp driver	2.5~9	I_{CC}	3.5~7	~12	(mA)		14-pin DIP Ⓖ
				Sep.	35~45	~	(dB)		
				Av	~0	~	(dB)	Demodulator stage	
				Ch. B	~0.5	~2	(dB)	Monaural	
				T.H.D.	~0.5	~1.0	(%)	Monaural	
				Lamp-on	~5	~7.5	(mV)	Pilot level	
				Ri	~20	~	(kΩ)		
				Avo	38~43	~	(dB)	Preamplifier stage	
				(Ta = 25°C, V_{CC} = 10V, f = 1kHz, Vi = 300mV)					
μPC587C2	Car stereo set Home stereo set FM tuner	Stereo demodulator PLL system: V.C.O. Phase comparator Divider DC amplifier Stereo/Monaural switch Stereo indicator lamp driver	7~15	I_{CC}	7~13	~18	(mA)		14-pin DIP Ⓖ
				Sep.	35~45	~	(dB)		
				Av	−9~−6	~	(dB)		
				Ch. B	−1.5~0	~1.5	(dB)		
				T.H.D.	~0.07	~0.5	(%)	Monaural	
				Lamp-on	12~16	~20	(mV)	Pilot level	
				Ri	~50	~	(kΩ)		
				C.R.	±1.5~±3	~	(%)		
				(Ta = 25°C, V_{CC} = 10V, f = 1kHz, Vi = 150mV)					
μPC1026C	Car stereo set Home stereo set FM tuner	Stereo demodulator PLL system: V.C.O. Phase comparator Divider DC amplifier Stereo/Monaural switch Stereo indicator lamp driver	7~16	I_{CC}	7~13	~18	(mA)		14-pin DIP Ⓖ
				Sep.	35~45	~	(dB)		
				Av	−4.5~−1.5	~2	(dB)		
				Ch. B	−1.5~0	~1.5	(dB)		
				T.H.D.	~0.15	~0.5	(%)		
				Lamp-on	5~8	~11	(mV)	Pilot level	
				Ri	~50	~	(kΩ)		
				C.R.	±1.5~±3	~	(%)		
				(Ta = 25°C, V_{CC} = 12V, f = 1kHz, Vi = 300mV)					
μPC1161C	-	Stereo demodulator PLL system: V.C.O. Phase comparator Divider DC amplifier Stereo/Monaural switch	9~15	I_{CC}	12~20	~30	(mA)		16-pin DIP Ⓙ
	Home stereo set FM tuner			Sep.	45~55	~	(dB)		
				Av	9~13	~17	(dB)		
				Ch. B	−1.5~0	~+1.5	(dB)		
				T.H.D.	~0.02	~0.1	(%)		
				Lamp-on	6~12	~20	(mV)		

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