

# FM Multiplex Stereo Demodulators

Type No.	Use	Circuit Description	Supply Voltage (V)	Electrical Characteristics				Package Outline	
$\mu$ PC554C	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	(Ta = 25°C, VCC = 9V, f = 1kHz, Vi = 200mV)				14-pin DIP Ⓒ	
				I <sub>CC</sub>	~10	~18	(mA)		
				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)						
$\mu$ PC585C	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	(Ta = 25°C, VCC = 4V, f = 1kHz, Vi = 100mV)				14-pin DIP Ⓒ	
				I <sub>CC</sub>	3.5~7	~12	(mA)		
				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
				$\mu$ PC587C2	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		(Ta = 25°C, VCC = 10V, f = 1kHz, Vi = 300mV)
I <sub>CC</sub>	7~13	~18	(mA)						
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	~	(%)						
$\mu$ PC1026C	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					(Ta = 25°C, VCC = 10V, f = 1kHz, Vi = 150mV)	
				I <sub>CC</sub>	7~13	~18	(mA)		
				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	~	(%)		
				$\mu$ PC1161C	Home stereo set FM tuner	Stereo demodulator PLL system: V.C.O. Phase comparator Divider DC amplifier Stereo/Monaural switch	9~15	(Ta = 25°C, VCC = 12V, f = 1kHz, Vi = 300mV)	
I <sub>CC</sub>	12~20	~30	(mA)						
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)						