

FM IF Demodulator IC

Type	Function	Supply Voltage	Current	Package	Functions						Remarks	Similar Product
					IF	Mixer	RSSI	Filter Amp.	FSKComp.	Other		
NJM2211	FSK Demodulator	4.5 to 20V	5mA	DIP14 DMP14	Up to 300kHz	--			V	PLL Detector Lock Detector	PLL Detector	XR-2211
NJM2232A	FM IF with Log Amplifier	5 to 9V	5.2mA	DMP24	455kHz	Up to 300MHz	V			--	Excellent Linearity (1dB) Dynamic Range (90dB)	
NJM2292	100MHz Input Mixer & 455kHz FM IF	1.8 to 7V	2mA	SSOP20	455kHz	Up to 100MHz	V	V		Squelch	TK10487 replaceable	TK10487
NJM2294	455kHz Input FM IF	1.1 to 4V	600uA	SSOP16	455kHz	--	V	V	V	Battery Save Battery Alarm	TA31143 replaceable Suitable for battery use	TA31143
NJM2295A	450MHz Input Mixer & 10.7MHz FM IF	2.7 to 7V	5mA	SSOP20	10.7MHz	Up to 450MHz	V	V	V	Battery Save Quick Charge	Suitable for 10.7MHz application	
NJM2537	50MHz Input Mixer & 455kHz FM IF	1.1 to 4V	1.2mA	SSOP20	455kHz	Up to 50MHz	V	V	V	Battery Save Battery Alarm	TA31145 replaceable Suitable for battery use	TA31145
NJM2550	10.7MHz Input FM IF	2 to 9V	4.4mA	SSOP16	10.7MHz	--	V	V	V	Quick Charge	Up to 50MHz IF RSSI thermal correction	
NJM2552	100MHz Input Mixer & 450kHz FM/AM IF	2.2 to 9V	FM:2.5mA AM:5.0mA	SSOP20	450kHz	Up to 100MHz	V	V		AM Detector AM AGC	Up to 2MHz IF Built-in AM SW	
NJM2590/97	455kHz Input FM IF	1.6 to 4V	550uA	SSOP14	455kHz	--	V	V	V	RSSI Comparator	Low current/voltage Built-in RSSI comp.	
NJM2591	100MHz Input Mixer & 450kHz FM IF	1.8 to 9V	2.5mA	SSOP16	450kHz	Up to 100MHz	V	V		Quick Charge	TA31136 replaceable Current down 30%	TA31136
NJM2592	470MHz Input Mixer & 455kHz FM IF	1.8 to 9V	2.2mA	SSOP20	455kHz	Up to 470MHz	V	V	V	Noise Detector	50ohm Mixer Input Imp. Up to 470MHz input	
NJM2593	50MHz Input Mixer & 450kHz FM IF	1.8 to 9V	1.2mA	SSOP20	450kHz	Up to 50MHz	V	V	V	Noise Comparator	Low current/voltage Built-in RSSI comp.	
NJM3357	10.7MHz Input Mixer & 455kHz FM IF	4 to 8V	3mA	DIP16 DMP16	455kHz	Up to 10.7MHz	V	V		RSSI Comparator	MC3357 replaceable	MC3357
NJM3359	10.7MHz Input Mixer & 455kHz FM IF	4 to 9V	3.6mA	DIP18	455kHz	Up to 10.7MHz	V	V		Quick Charge	MC3359 replaceable	MC3359

Single Function / Other IC

Type	Functions	Supply Voltage	Current	Package	Functions			Remarks	Similar Product
					Frequency	Amplifier	Mixer		
NJM1496	Balanced Modulation Demodulation	Up to 30V	—	DIP/DMP/SSOP14	Up to 50MHz		√	Mod/Demod/Doublers	LM1496 MC1496
NJM2204A	Log Amplifier	8 to 12V	6mA	DIP16	Up to 3MHz	√		dynamic range (50dB) Wide linearity (1dB)	
NJM2275	VHF/UHF Band RF Amplifier	1.8 to 6V	0.8mA	SOT-23 (MTP6)	Up to 800MHz	√		Center freq adjusted by external CL	
NJM2278	20mW Power Amplifier	2 to 5.5V	20mA	SOT-23 (MTP6)	300 to 500MHz	√		Flat Gain at widefreq & temperature	
NJM2288	300/400MHz Down Mixer with Amp	2 to 5.5V	2.8mA	SOT-23 (MTP6)	300 to 500MHz		√	Low Current	
NJM2594	Balanced Modulation Demodulation	4.5 to 9V	—	DMP8 SSOP8	Up to 200MHz		√	Mod/Demod/Doublers	uPC1037

Type	Functions	Supply Voltage	Current	Package	Functions			Remarks	Similar Product
					Frequency	Amplifier	Data Process		
NJM2287	450kHz IF Gain Control IC with Mixer	2.7 to 5.5V	4.7mA	SSOP14	Up to 100MHz	√		Dynamic range (80dB) Built-in RSSI	
NJM2299	Wave Shaping Circuit for FSK	1.8 to 5.5V	600uA	TVSP10	Up to 2kHz (Up to 4kbps)		√	Low data error rate Short wake-up time	
NJM567	Tone Decoder / Phase Locked Loop	4.75 to 9V	7mA	DIP8 DMP8	Up to 50kHz		√	Wide frequency range (0.01Hz to 500kHz)	LM/LMC567 SE/NE567
NJU7512	1200bps MSK Modem for Low Power Communication	1.8 to 5.5V	1.9mA	SSOP20	12000bps		√	High sensitivity Noise susceptibility	