

ICs for Telecommunications

■ Tone Decoder

Model No.	Features	Supply voltage (V)	Operating current (mA) TYP.	Center frequency	Package
IR3N05/N	Center frequency is determined by external resistors	4.75 to 9	12	0.01 Hz to 500 kHz	8DIP/8SOP

■ FM-IF Amp.

Model No.	Features	Supply voltage (V)	Operating current (mA) TYP.	Input sensitivity (μ Vrms) TYP.	Demodulation output (mVrms) TYP.	Package
IR3N06/N	Narrow-band FM-IF compatible with the MC3357(Motorola)	4 to 8	3	5	350	16DIP/16SOP
IR3N37/N	Low-power type of IR3N06	1.8 to 8	6	2	150	

■ Tone Ringers

Model No.	Features	Supply voltage (V) MAX.	Initial supply voltage (V) MAX.	Initial supply current (mA)	Package
IR3N32	Built-in threshold circuit for rotary dial resonance	29	17 to 21	1.4 to 4.2	8DIP
IR3N34/N	Variable initial supply current, built-in threshold circuit for rotary dial resonance	29	17 to 21	0.1(MAX.)	8DIP/8SOP

■ Speech Network

Model No.	Features	Line voltage (V) MIN.	Line current (mA) MIN.	Transmit amp. gain (dB) TYP.	Receive amp. gain (dB) TYP.	Package
IR3N82/N	For ECM and dynamic receiver Minimum operating voltage : 1.5 V	1.5	3.6	43	- 12.5	9SIP/24SOP

■ Companders

Model No.	Features	Supply voltage (V)	Operating current (mA) TYP.	Output dynamic range (mVrms) TYP.	Package
IR3N74/N	Compression and expansion of speech signal, with data signal input pin	2.4 to 10	3.4	900	16DIP/16SOP
IR3N74AN	Compression and expansion of speech signal, small package	2.4 to 5.5	3.4	900	12SSOP
IR3N78A	Compression and expansion of speech signal, built-in splatter function	1.9 to 5.5	4.5	520	24SSOP

■ ICs for Cordless Phones

Model No.	Features	Supply voltage (V)	Reference voltage (V)	Output voltage (V)	Standby current (μ A) MAX.	Package
IR3M06	2 built-in regulated power supply circuits + power supply circuit for microcomputer, built-in watchdog timer	1.8 to 6	1.20	2.3(Fixed)	280	18MFP
IR3M40	2 built-in regulated power supply circuits	5	—	4.7(Fixed)	50	12SSOP