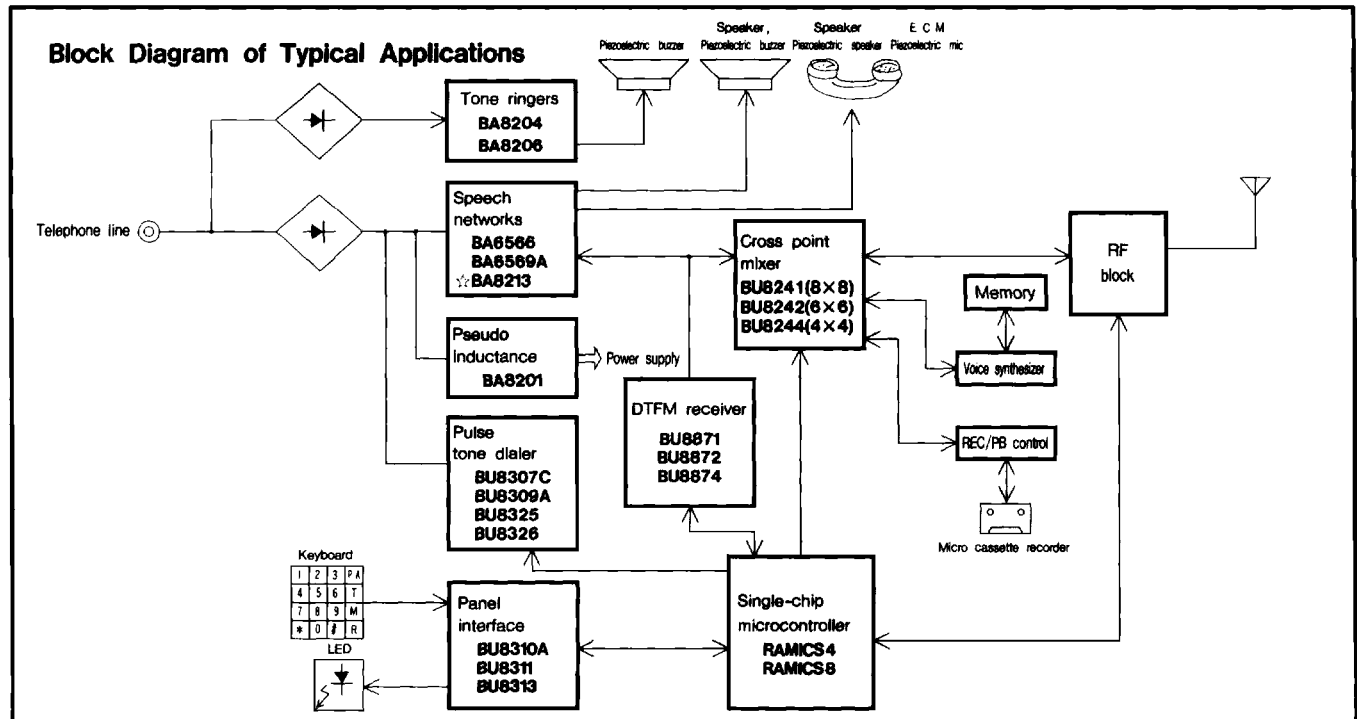


## Phones



### ● Digital cordless telephone ADPCM transcoder

Part No.	Supply voltage range (V)	Function/Feature	Package
<b>BU8710AKS</b>	3.6~5.5	4 channel ADPCM transcoder designed to meet the '88 G721 recommendation. Space saver at digital base station.	SQFP80

### ● Speech network

Part No.	Line current (mA)	Receiver	Microphone	Pad control	DTMF amp.	Key tone amp.	Muting	Feature	Package	
<b>BA6566/F/FP</b>	5~100	Dynamic /Ceramic	ECM/ Dynamic	AGC	○	○	○	Wide range dynamic receiver RF radiation protection	DIP18/SOP18 /HSOP24	
<b>BA6569AFP/S</b>	5~100	Dynamic /Ceramic		AGC Manual pad	○	○	○	Receiver pre amp. and power amp. are independent.	HSOP24/SOP22	
<b>BA8216</b>	2~100	Dynamic /Ceramic	ECM/ Dynamic		○	○	○	Excellent branch characteristics. Complies with standard of U.S.A.	Receiver noise further reduced from the BA8215.	DIP14
<b>BA8213/F/FP</b>	1~140	Dynamic /Ceramic		AGC	○		○	Comforms to European standards		DIP18/SOP20 HSOP25

Note : ☆:Under development

### ● Tone ringer

Part No.	Adjustable starting current	Adjustable starting voltage	Withstand voltage (V)	Power-supply circuit with hysteresis	Feature	Remarks	Package	
<b>BA8204/F</b>	○	○	40	○	High voltage	Low power consumption	Successor products of BA6564A/F	DIP8/SOP8
<b>BA8206/F</b>	○	○	40	○		Low power consumption	Successor products of BA6565A/F	DIP8/SOP8

### ● Pulse tone dialer

Part No.	Supply voltage range(V)	Pulse rate (PPS)	break ratio (%)	Redial memory (digits)	Hooking	Feature	Package	
<b>BU8307CS/CF</b>	2.5~5.5	10/20	67/60	32	○	Complies with standards of Japan,USA, Canada,U.K.,Korea,Taiwan,and Australia.	SDIP22/SOP24	
<b>BU8329</b>	2.0~5.5	10/20	67/60	32	○		CPU interface Transmittable in power failures.	SDIP32/QFP32
<b>BU8325S/K</b>	2.0~5.5	10/20	67/60	32	○	Complies with standards of Japan,USA,Canada,Korea, Taiwan,Australia.	Supports CPU common BUS. Transmittable in power failures.	SDIP32/QFP32
<b>BU8326</b>	2.0~5.5	10	60	32	○		Most suitable to USA application	Built-in memory for 3 one-touch dialing numbers Built-in memory for 10 repertory dialing numbers
<b>BU8329</b>		10/20	66			Suitable for Japanese models		
<b>BU8330</b>		10	60			2 redial systems		

Note : ☆:Under development

### ● Pseudo inductance

Part No.	Supply voltage range (V)	Features	Package
<b>BA8201/F</b>	2~18	DC voltage is output from telephone line. High input impedance and low input/output voltage difference for easier power supply design.	DIP8/SOP8

# Phone

## ●DTMF receiver

Part No.	Supply voltage range (V)	Interface	Dynamic range	Power down function	Oscillator	Features	Package
BU8871/F	4.75~5.25	Serial 3-wire	45dB		Crystal	Wide dynamic range	DIP8/SOP18
BU8872/FS	4.5~5.5	Serial 3-wire	45dB		Crystal/Ceramic	Wide dynamic range	DIP8/SSOP-A16
BU8874/F	4.75~5.25	Serial 3-wire	45dB	○	Crystal	Wide dynamic range	DIP8/SOP18

## ●Tone decoder

Part No.	Supply voltage range (V)	Function/Feature	Package
BA1604/F	4.75~9	1ch PLL tone decoder. Detection band to $f_0$ is variable at 0 to 14%	DIP8/SOP8

## ●Cross point mixer

Part No.	Supply voltage range (V)	Cross point switch	Input buffer amp.	Output mixing amp.	Features	Package
BU8241F/FS	2.7~5.5	8×8	○	○	Suitable for voice signal change over mixing of cordless answering phone.	SOP24/SSOP-A24
BU8242F	2.7~5.5	6×6	○	○	Power saving	SOP20
BU8244F	2.7~5.5	4×4	○	○	Low noise	SOP16

## ●Panel interface

Part No.	Supply voltage range (V)	key	LED driver	Key scanning	Features	Package
BU8310AK	1.8~5.5	7×7	32	○	CPU interface Transmittable in power failures Serial data transfer	QFP64
BU8311KS	1.8~5.5	7×7	24	○		SOPF56
BU8313K	1.8~5.5	6×5	14	○		QFP44
<b>New</b> BU8315F	2.0~5.5		14		With CPU interface, serial data transfer	SOP24

## ●Units for Telephone BP3000 series (hybrid IC)

Part No.	Function	Package	Dimensions (mm)	Features
BP3008	Japan model	DIP28pin	48×38.5×16	Add only a handset, keypad, and ringer speaker to build up a complete telephone. Compatible with FAX, low DC resistance. Complies with the Technical Standards for Telecommunication Terminal Equipment (BP3008) Compatible with the Bell standards (BP3009)
BP3009	North America model			

Note : For packaging, please see packaging section in Hybrid ICs. on P.58.

## ●Units for Multifunction Telephone BP3300 series (hybrid IC)

Part No.	Function	Package	Dimensions (mm)	Features
<b>New</b> BP3323	North American model	DIP48pin	70×36×16	20 station dial memory, 16 digits each 2 selectable hold tones (BP3324) Low DC resistance, CI detect, dial transmission detect, all compatible with FAX. Complying technological standard for communication terminals (BP3324). Complying with Bell standard (BP3323)
<b>New</b> BP3324	Japan model			

Note : For packaging, please see packaging section in Hybrid ICs. on P.58.

## ●Speakerphone unit BP3511 (hybrid IC)

Part No.	Function	Package	Dimensions (mm)	Features
<b>New</b> BP3511	Speakerphone processor and power amplifier	SIP18pin	49×21.5×9	Single 5V power supply. Connectable to telephone handset microphone and speaker. No howling.

Note : For packaging, please see packaging section in Hybrid ICs. on P.58.

## ●FM·IF System

Part No.	Supply voltage range (V)	MIX	OSC	IF	DET	RSSI	noise detection	Features	Package
<b>New</b> BA4116FV	1.8~5.5	○	○	○	○	○	○	Accepts 100MHz input. High sensitivity: 12dB at 11dB $\mu$ V	SSOP-B16

## ●Dual PLL

Part No.	Supply voltage range (V)	Features	Package
<b>New</b> BU2630	2.5~5.5	Dividing ratio for each PLL can be programmed independently 2.5V(80MHz)	SOP16