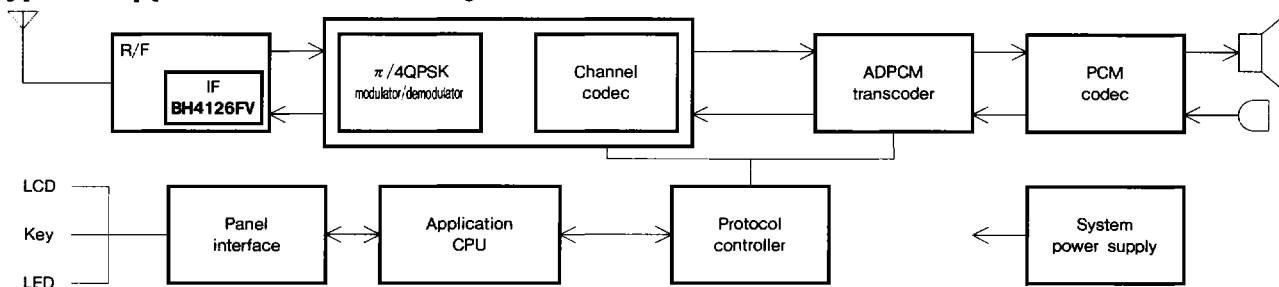


## Cellular Phone/PHS/Pager

### Typical applications to PHS system



#### ROHM's LSI line-up for PHS

π/4QPSK demodulator LSI
π/4QPSK demodulator + channel codec
For base station 4ch ADPCM transcoder
PCM codec
Panel interface with LED/LCD driver
Protocol controller (CPU1600/RAMICS-8)
System power supply
IF for PHS

#### ●IF for radio communication

Part No.	Supply voltage (V)	Mixer operating freq. (MHz)	Recommended IF frequency (Hz)	RSSI	FM detector	Noise detection	Features	Package
BA4116FV	1.8~5.5	10~150	450k.455k	○	○	○	IF for analog cordless telephone	SSOP-B16
<b>New</b> BA4118FV	1.1~3.5	-	450k.455k	○	○		IF for 1200 bps pager	SSOP-B16
<b>New</b> BH4100FV	2.5~6.0	4	4M				IF for radio remote controller (ASK system)	SSOP-B14
<b>New</b> BH4126FV	2.2~5.5	40~300	10.8M	○	○		IF for PHS and radio remote controller	SSOP-B16
<b>New</b> BH4128FV	2.3~5.5	10~150	450k.455k	○			IF for digital mobile phone	SSOP-B16

#### ●PLL frequency synthesizer for radio communication

Part No.	Supply voltage (V)	Features	No. of output ports	Package
BU2630F	2.5~5.5	Dividing ratio: separately programmable, 2.5V (80MHz) . low current consumption 2.2mA (2 separate systems)	4	SOP16
<b>New</b> BU2631F	2.5~5.5	Dividing ratio: separately programmable, 2.5V (80MHz) . low current consumption 2.2mA (2 separate systems)	2	SOP16

#### ●PCM codec

Part No.	Supply voltage (V)	Features	Package
☆BU8716FS	2.7~3.6	Low power consumption (Typ.4mA). Low noise by oversampling. Good sound quality	SSOP-A24

Note : ☆: Under development

#### ●ADPCM transcoder

Part No.	Supply voltage (V)	Function/Feature	Package
BU8710AKS	3.6~5.5	4 channel ADPCM transcoder that meets the '88 G721 recommendation. Space saver at digital base station.	SQFP80

#### ●Power IC for pager

Part No.	Supply voltage (V)	Function						Features	Package
		DC-DC	Sounder	Vibrator driver	LED driver	Backlight driver	Reset		
<b>New</b> BH6111FV	0.9~2.5V	3V	○	○	○	○	○	All basic functions are available on one chip	SSOP-B20
<b>New</b> BH6113FV	0.9~1.7V	3V	○	○	○	×	×	Volume selection for sounder	SSOP-B16