

ICs for Audio Applications

High frequency signal processor

●PLL frequency synthesizer

Part No.	Supply voltage range (V)		Maximum operating frequency (MHz)	Standard frequency (KHz)				Feature	Package
	VDD1	VDD2							
BU2611/F	4.0~6.0	3.5~6.0	130	100 9	50 5	25 1	10	Easier interfacing to microcontroller 3 ports	DIP16/SOP16 SOP20
BU2614/F/FS	2.7~6.0	4.0~6.0	130	25 5	125 3	6.25 1	3.25	Low spurious output, 75KHz X'tal, IF counts 3 ports	DIP16/SOP16/SSOP16
BU2615/F/FS	2.7~6.0	4.0~6.0	130	25 5	12.5 3	6.25 1	3.25	Low spurious output, 75KHz X'tal, IF counts, 7 ports	DIP16/SOP16/SSOP16 SDIP22
BU2616/F	4.0~6.0		130	25 6.25	12.5 5	10 1	9	Internal IF count detector 4 ports	DIP18/SOP18
BU2619/F	2.7~6.0	4.0~6.0	130	25 6.25	12.5 5	10 1	9	With IF count 7 ports	DIP20/SOP20 SDIP22
BU2620/F	2.7~6.0	4.0~6.0	130	25 6.25	12.5 5	10 1	9	With IF count 6 ports, 8Hz output	DIP20/SOP20 SDIP22
New BU2621	2.7~6.0	4.0~6.0	130	50	25	12.5	10	With 2-IF counts, Input terminal	DIP20/SOP20 SDIP22
New BU2622	2.7~6.0	4.0~6.0	130	9	5	1			

●TV multiplex

Part No.	Supply voltage range (V)	Function	Feature	Package
BA1407AL/AF	4~11	TV multiplex demodulator IC	On-chip mode selector (STEREO, MAIN, SUB, MAIN/SUB). Built-in display driver.	ZIP18/SOP20

●FM transmitter

Part No.	Supply voltage range (V)	Function	Feature	Package
BA1404/F	1~2	IC for FM stereo transmitter	Built-in stereo modulator and RF oscillator. Constant voltage output for frequency adjustment.	DIP18/SOP18
BA1405F	4~6	FM stereo modulator	Stereo modulator can be easily fabricated.	SOP18

Low frequency amplifier

●Pre amplifier

Part No.	Application			Function							Feature	Supply voltage range (V)	Package	
	Radio cassette recorder	Car audio	Headphone stereo	Circuits	Microphone amplifier	Line amplifier	ALC circuit	Input switch	AUX SW	Equalizer switch				Muting
BA301	■	■		1								Low distortion.	6~20	SIP7
EA313	■			1			○						3~12	SIP9
BA328/F	■	■		2									6~16	SIP8/SOP8
BA3304/F			■	2									1.2~4	ZIP16/SOP16
BA3306	■			2			○						4.5~14	SIP9
BA3306/F	■			2			○					Built-in rectifier diode.	4.5~14	SIP9/SOP14
New BA3311L	■			2			○						5~12	ZIP12
New BA3313L/14F	■			2			○					Built-in rectifier diode.	5~12	ZIP12/SOP12
BA333	■			1			○						2.5~16	SIP9
BA3402		■		2				○				For auto-reverse.	6~13	ZIP16
BA3404F/FS/L			■	2				○			○	Built-in LED driver for display.	1.8~4	SOP16/SSOP-A16/ ZIP16
BA3406AL/AF		■		2						○	○		6~14	ZIP16/SOP16
BA3408/F		■		2				○				For auto-reverse. Built-in LED driver.	6~14	DIP16/SOP16
BA3410AF	■			1	○	○	○						1.8~3.5	SOP16
BA3412K			■	2		○	○	○				Built-in LED driver for display.	1.8~3.3	QFP32
BA3413F/FS			■	2				○		○			0.9~2.0	SOP16/SSOP-A16
BA3416BL	■			2				○		○		For double cassette.	3.5~12	ZIP18
BA3420AL	■			2	○	○			○		○		5~16	ZIP18
BA3423S	■			2	○	○	○	○	○	○	○	For double cassette.	4.5~7	SDIP32
BA3424F/FS/S		■		2				○		○	○	For auto-reverse L/R MIX OUT.	7~18	SOP20/SSOP-A24/ SDIP22
BA3430F/FS/S		■		2				○		○	○	Mute detection. Sensitivity switching circuit	7~18	SOP24/SSOP-A24/ SDIP24
BA343	■			2			○						4.5~10	DIP16
New BA3442KS	■			2			○			○	○	Suitable for miniature component system Built-in REC/PB/EQ Double-speed dubbing, Mute detection Bias osc regulator.	4.5~8.5	SQFP55