

ICs for Video Applications

Video signal processor

●PAL/SECAM detector

Part No.	Supply voltage (V)	System	Burst input SW	Forced SECAM	Feature	Package
BA7007/F	9	PWM Integration			High detection performance. High noise margin.	ZIP16/SOP16
BA7025L	5	PWM integration	○	○	High detection performance. High noise margin.	ZIP18
BA7106LS	5	FM guardrature detection 1/2 _H digital detection		○	High detection as 20~200mVpp. Built-in delay line amplifier and M.M. for BGP.	SZIP24

●Auto tracking interface

Part No.	Supply voltage (V)	Detector output		Output waveform			Detection gain switch	Audio level down detection	Feature	Package
		Audio	Video	Peak detection	Integral	Peak hold				
BA7039	5	○	○		○	○	○		Integral output 0 ~ 5V. Wide input range because of built-in VCA and level compressing circuit.	DIP16
BA7043FS	5	○	○	○	○	○	○	○	Integral output 0 ~ 5V. Wide input range because of built-in VCA and level compressing circuit.	SSOP-A20
BA7047S	5	○	○	○			○	○	Detection output is 0 ~ 5V. Gain frequency characteristics can be adjusted by external components.	SDIP22
BA7048N	5		○	○			○		Detection output is 0 ~ 5V. Gain frequency characteristics can be adjusted by external components.	SIP10

●SYNC and separation IC

Part No.	Supply voltage range (V)	Function	Output signal (μsec)		AFC circuit	Feature	Package	
			HD pulse width	VD pulse width				
BA7046/F	5	Video signal SYNC separation circuit	5.1	230	Composite SYNC pulse.	○	Phase difference between HD and VD is guaranteed.	DIP8/SOP8
BA7062F	5	Video signal SYNC separation circuit	11.5	260		○		SOP8
New BA7071F	3~7.5	Video signal SYNC separation	10.3	254		○	Phase difference between HD and VD is guaranteed.	SOP8
☆BA7072N	3~7.5	Video signal SYNC separation/detection	10.3	254		○	Phase difference between HD and VD is guaranteed.	SIP10

Note : 1. ☆ Under Development

●OSD

Part No.	Supply voltage range (V)	Function				Feature	Application	Format	Package
		Number of characters	Output signal	SYNC sep.	Microcontroller interface				
BU2848FS	3~5	128	RGB		8 bit serial	With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-A20
BU2870FS	3~5	256	RGB		8 bit serial	With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-A20
☆BU2871S	5	64	Composite	○	16 bit serial	Digital AFC, Superimpose	VTR	NTSC/PAL-M	SDIP24
BU2873FS	3~5	64	RGB		8 bit serial	With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-A20
☆BU2857F	5	256	Composite, 5 pin RGB	○	16 bit serial	Digital AFC, Color, Superimpose (monochrome)	VTR	NTSC/PAL PAL-M/PAL-N	SOP28

Note : 1. ☆ Under Development

●Blue back

Part No.	Supply voltage range (V)	Function	Package
BU2762AL	5	Generates NTSC/PAL composite color signals and black-white test patterns. Built-in Y/VTR signals selector switch.	ZIP18
BU2841AFS	5	Generates NTSC/PAL composite color signals and black-white test patterns. Built-in composite/chroma signals and VTR/Y signals selector switch.	SSOP-A20

●Test pattern generator

Part No.	Supply voltage range (V)	Function	Feature	Package
BA7004/F	8~13	Test pattern generator.	Few external components.	SIP5/SOP8
BA7024	4.5~6.0	Integrated test pattern generation circuit and VTR signals switch on single chip.	Built-in video switch.	SIP7

●Titler

Part No.	Supply voltage range (V)	Format	Function	SRAM capacity	Number of titles			Outline	Inversion	Package
					NTSC	PAL	SECAM			
BU2846AKV	5	All formats	Superimposing Background color is selectable. Scrolling and wiping function.	64K	1	1	1	Left-right	○	VQFP48