

High-performance Clock Generators ICs

Clock Generators for Digital Cameras													
Part No.	Supply Voltage (V)	Reference Frequency (MHz)	Video Clock (The output which can be selected) (MHz)	CCD Clock (The output which can be selected) (MHz)	USB Clock (MHz)	Jitter 1 σ Typ (ps)	Package						
BU2394KN	3.0 to 3.6	14.318182/ 28.636363	14.318182/ 17.734450	135.000000/ 108.000000/ 98.181818/ 110.000000	48.008022	30	VQFN20						
BU2396KN	3.0 to 3.6	12.000000	27.000000	24.000000/ 30.000000/ 36.000000	12.000000	50	VQFN20						

DVD-Audio Reference Clock Generator															
Part No.	Supply Voltage (V)	Reference Frequency (MHz)	Output Frequency (MHz)										Jitter 1 σ Typ (ps)	C/N Typ (ps)	Package
			DVD-Video Clock			DVD, Audio, CD Clock (The output which can be switched)				System Clock					
			Video1	Video2	Video3	768fs	512fs	384fs	256fs	768fs	384fs				
BU2363FV	3.0 to 3.6	36.864	54.0000	27.0000	–	36.8640/ 33.8688	–	18.4320/ 16.9344	–	33.8688	16.9344	50	–75 (Video)	SSOP-B16	

DVD-Video Reference Clock Generators for A/V Equipments															
Part No.	Supply Voltage (V)	Reference Frequency (MHz)	Output Frequency (MHz)										Jitter 1 σ Typ (ps)	Long-term Jitter P-P Typ (ns)	Package
			DVD-Video Clock			DVD, Audio, CD Clock (The output which can be switched)				System Clock					
			Video1	Video2	Video3	768fs	512fs	384fs	Other	768fs	384fs	Other			
BU2360FV	2.7 to 3.6	27.0000	27.0000	–	–	–	24.5760/ 22.5792	–	–	33.8688	–	–	70	2.5 (Audio)	SSOP-B16
BU2362FV	2.7 to 3.6	27.0000	27.0000	–	–	–	24.5760/ 22.5792	–	36.8640/ 16.9344	33.8688	16.9344	36.864	70	12 (Audio)	SSOP-B16

Clock Generator with Built-in VCXO for A/V Equipments																
Part No.	Supply Voltage (V)	VCXO (Reference Clock)	Clock Buffer	PLL Output Frequency (MHz)										Jitter 1 σ Typ (ps)	C/N Typ (dB)	Package
				DVD-Video Clock			DVD, Audio, CD Clock (The output which can be switched)				System Clock					
				Video1	Video2	Video3	768fs				768fs	512fs	384fs			
BU3087FV	3.135 to 3.465	Tuning range 27MHz \pm 105ppm Typ	–	27.000000	–	74.250000 Modulation/ \pm 0.25%, \pm 0.50%, \pm 0.75%, \pm 1.00%	–	–	–	–	–	–	–	30	HD-Video -70	SSOP-B16

Clock Generators for Digital Cameras: Three types of clocks generated-CCD, USB, and a Video
 DVD-Audio Reference Clock Generators: DVD/CD-Audio, DVD-Video clock generation using the DVD-Video reference clock
 DVD-Video Reference Clock Generators for A/V Equipments: DVD/CD-Audio, DVD-Video clock generation using the DVD-Video reference clock
 Clock Generator with Built-in VCXO for A/V Equipments: VCXO is Built-in with high-precision external synchronization

Real Time Clocks ICs

Real Time Clocks with High-precision Oscillation Adjustment								
Part No.	I/F	Supply Voltage (V)	Time Keeping Voltage (V)	Time Keeping Current (Typ) (μ A)	Time Keeping Current (Max) (μ A)	Operating Frequency 1 (Max) (kHz)	Operating Frequency 2 (Max) (kHz)	Package
BU9873F	I ² C	1.8 to 5.5	1.45 to 5.50	0.4 (V _{DD} =3V, T _a =25°C)	1.0 (V _{DD} =3V, T _a =–40°C to +85°C)	100 (V _{DD} =1.8V to 2.5V)	400 (V _{DD} =2.5V to 5.5V)	SOP8
BU9873FJ								SOP-J8
BU9873FVT								TSSOP-B8
BU9873FVM								MSOP8
BU9873NUX								VSON008X2030

CR Control Timer IC

CR Control Timer IC							
Part No.	Supply Voltage (V)	PWM Frequency (Hz)	Duty (%)	Circuit Current (mA)	Function	Operating Temperature (°C)	Package
BD9555FVM-C	4.5 to 42.0	1 to 10k	1 to 99	1	PWM/Duty 100% Switching terminal	–40 to +125	MSOP8