

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

CR Control Timer IC

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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