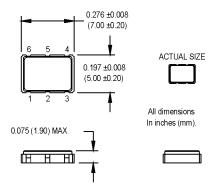
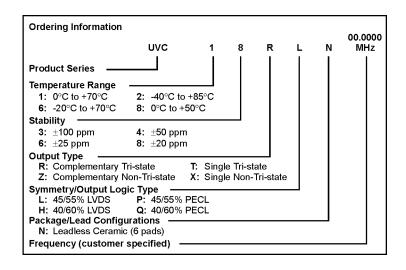
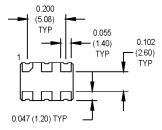
UVC Ultra Versatile Clock Oscillator



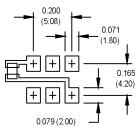








SUGGESTED SOLDER PAD LAYOUT



Din (\sim	nr	100	• 4i/	one

PIN	FUNCTION		
1	Tri-state		
2	N/C		
3	Ground		
4	Output1/ Q		
5	Output2/ Q		
6	+Vdd		

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition	
	Frequency Range	F	0.75		800	MHz		
	Frequency Stability	∆F/F	(See Ordering Information)			See Note 1		
	Operating Temperature	Ts	-40		+85	°C	See ordering information	
	Storage Temperature	TA	-55		+125	°C		
	Input Voltage	Vcc	3.15	3.3	3.45	٧		
	PECL Input Current	lcc					See Note 2	
	0.75 MHz to 24 MHz				60	mA		
	24 MHz to 160 MHz				100	mA		
	160 MHz to 800 MHz				120	mA		
ျေး	LVDS Input Current	lcc					See Note 3	
Electrical Specifications	0.75 MHz to 24 MHz				30	mA		
	24 MHz to 96 MHz				50	mA		
	96 MHz to 800 MHz				80	mA		
Š	Symmetry (Duty Cycle)		40	50	60	%	At Vcc -1.3 VDC (PECL)	
g	(Per Symmetry Code)		40	50	60	%	At 1.25 VDC (LVDS)	
ectric	Load		50 Ohms to Vcc -2 VDC				PECL waveform	
			50 Ohm differential load				LVDS waveform	
ا " ا	Rise/Fall Time	Tr/Tf		0.35	0.55	ns	At 20/80%	
	Logic "1" Level	Voh	Vcc -1.02			V	PECL	
			1.375			V	LVDS	
	Logic "0" Level	Vol			Vcc -1.63	٧	PECL	
					1.125	٧	LVDS	
	Phase Jitter	φJ		8	15	ps RMS	Cycle to Cycle	
	Phase Jitter	φJ		3	5	ps RMS	Integrated 12 kHz - 20 MHz	
	Peak to Peak Jitter (+/-)	Tj		21	35	ps	@ BER 1E-12	
	Differential Voltage	Vo	250	340	450	mV	LVDS	
	Tri-state Output "On"	OE	2.8			٧	Pin 1 voltage	
	Tri-state Output "Off"	OE			0.6	V	Pin 1 voltage	
Ital	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C						
Environmental	Vibration	Per MIL-STD-202, Method 201 & 204						
	Reflow Solder Conditions	220°C for 10 s max.						
<u>ki</u>	Hermeticity	Per MIL-STD-202, Method 112 (1 x 10° atm.cc/s of helium)						
Ш	Solderability	Per EIAJ-STD-002						
	1. Inclusive of initial telephone deviation over temporature, about vibration voltage, and aging							

- Inclusive of initial tolerance, deviation over temperature, shock, vibration, voltage, and aging.
 See load circuit diagram #5 on page 137.
- 3. See load circuit diagram #9 on page 137.

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