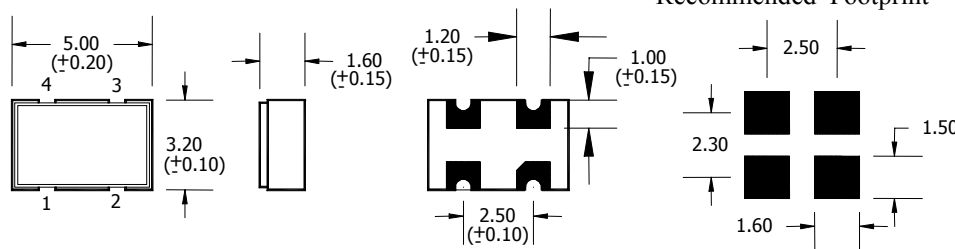


Frequency	1.5MHz to 80.0 MHz	
Output Level	TTL	HCMOS
Level	'0'= 0.4 Vdc Max., '1'=2.4 Vdc Min.	'0'=0.1 Vcc Max., '1'=0.9 Vcc Min.
Duty Cycle	50% ± 10 % (or 5%, see table below)	
Rise/ Fall Time	5 nS Max. for Vcc = +3.3 Vdc , 10 nS Max. for Vcc=+5 Vdc	
Output Load	10 TTL	15 pF to 50 pF (Specify)
Stability	See Frequency Stability Table Below	
Over all Frequency Stability	See Frequency Stability Table Below	
Supply Voltage	3.3Vdc or 5.0Vdc ±10% (see table below)	
Current	6 mA to 40 mA Max (Frequency related)	
Temperature	0 °C ~+70 °C (Standard, see table below for more options)	
Storage	-40 °C ~+85 °C	
Environment		
Sealing	4×10 ⁻⁹ Pa•m ³ /s Max.(by He leak detector)	
Shock Resistance	75cm(Guaranteed for 3 free falls on hardwood surface from 75cm height)	
Damp Heat	40±2°C, 90~95% RH (Guaranteed 1,000H at 40±2°C, 90~95% RH)	
Jitter		
RMS (1 Sigma) 1 to 75 MHz	5pS RMS (1 sigma) Max. accumulated jitter (20K adjacent periods)	
76 to 80 MHz	3 pS RMS (1 sigma) Max. accumulated jitter (20K adjacent periods)	
Max Integrated 1 to 75 MHz	1.5 pS RMS (1 sigma -12KHz to 20MHz)	
76 to 80 MHz	1 pS RMS (1 sigma -12KHz to 20MHz)	
Max Total Jitter 1 to 75 MHz	50 pS p-p (100K adjacent periods)	
76 to 80 MHz	30 pS p-p (100K adjacent periods)	

Part Number Guide		Sample Part #:		QCUO-3ATA1T-10.000			
	Input Voltage	Operating Temp	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Tristate (Standby)	Frequency
QCUO	5 = 5.0V	A = 0°C ~+70°C	T = 45/55 max	A = 10 TTL/15pF HCMOS	1 = ±100	T=tristate on pin1	10.000 MHz
	3 = 3.3V	C = -20°C~+70°C	S = 60/40 max	B = 2 ~ 10 TTL	2 = ±50		
		D = -30°C~+80°C		C = 30 pF HCMOS	3 = ±25		
		E = -40°C~+85°C		D = 50 pF HCMOS (5V only)	4 = ±20		

Tri-State Function	
Pin 1 Open	Enable
Pin 1 ≥ 2.2V	Enable
Pin 1 ≤ 0.8 V	Disable

DIMENSION UNITS: mm



PIN	CONNECTIONS
1	NC / ED
2	GROUND
3	OUTPUT
4	Vcc

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Specifications subject to change without notice (Rev B)