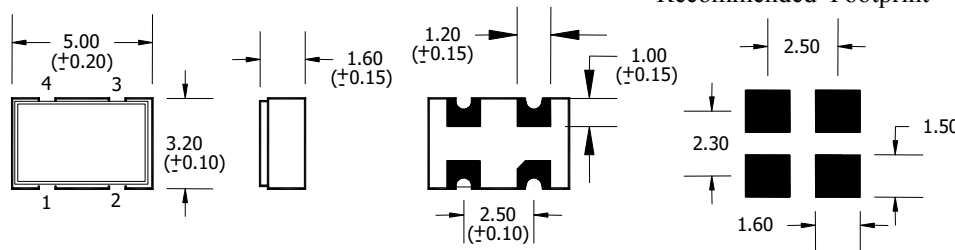


Frequency	1.5MHz to 125MHz	
Output Level	TTL	HCMOS
Level	'0'= 0.4 Vdc Max., '1'=2.4 Vdc Min.	'0'=0.1 Vcc Max., '1'=0.9 Vcc Min.
Duty Cycle	50% ± 10 % (or 5%, see table below)	
Rise/ Fall Time	5 nS Max. for Vcc = +3.3 Vdc , 10 nS Max. for Vcc=+5 Vdc	
Output Load	10 TTL	15 pF to 50 pF (Specify)
Stability	See Frequency Stability Table Below	
Over all Frequency Stability	See Table Below	
Supply Voltage	6 mA to 40 mA Max (Frequency related)	
Current	See Table Below	
Temperature	0 °C ~+70 °C (Standard, see table below for more options)	
Operating	-40 °C ~+85 °C	
Storage		
Environment		
Sealing	4×10 <sup>-9</sup> Pa•m <sup>3</sup> /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) 1.5 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 1.5 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 1.5 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			
QCUO	Supply Voltage	Operating Temp	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Tristate (Standby)	Frequency
	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		
	2 = 2.5V	D = -30°C~+80°C		C = 30 pF HCMOS	3 = ±25		
	1 = 1.8V	E = -40°C~+85°C		D = 50 pF HCMOS (5V only)	4 = ±20		
	6 = 2.7V						
	4 = 3.0V						

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

**QVS TECH INC**