

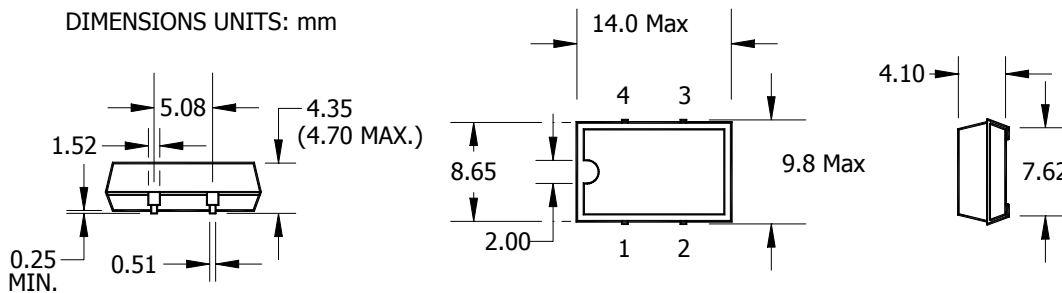
Frequency	30KHz to 200 MHz	
Output Level	TTL	HCMOS
Level	'0'= 0.4 Vdc Max., '1'=2.4 Vdc Min.	'0'=0.1 Vcc Max., '1'=0.9 Vcc Min.
Duty Cycle	Specify 50% ± 10% or ± 5%	
Rise/ Fall Time	10 nS Max.*	
Output Load	10 TTL	15 pF to 50 pF (Specify)
Stability		
Over all Frequency Stability	See Table Frequency Stability	
Start-up Time	10mS max	
Enable/Disable Time	100nS max	
Supply Voltage	3.3Vdc ±5%, 5.0Vdc ±10%	
Current	10 mA to 40 mA Max *	
Temperature		
Operating	See Table Operating Temperature	
Storage	-55°C to +125°C	

Part Number Guide		Sample Part #:		QPO-5ATA1T-20.000			
	Input Voltage	Operating Temp	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Tristate (Standby)	Frequency
QPO	5 = 5.0V	A = 0°C ~ +70°C	T = 45/55 max	A = 10 TTL/15pF HCMOS	1 = ± 100	T= tristate / pin 1	20.000 MHz.
	3 = 3.3V	B = -10°C ~ +70°C	S = 40/60 max	B = 2 ~ 10 TTL	2 = ± 50	N= None	
		D = -30°C ~ +75°C		C = 30 pF HCMOS	3 = ± 25		
		E = -40°C ~ +85°C		D = 50 pF HCMOS	4 = ± 20		

* Frequency related parameters

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

DIMENSIONS UNITS: mm



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

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