QXO Series

Thru-Hole Oscillator, Full Size DIP, TTL / HCMOS

Frequency	10 KHz to 160.000 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	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		
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	15 mA to 40 mA Max **	30 mA to 85 mA Max **
Temperature		
Operating	See Table Operating Temperature	
Storage	-55°C to +125°C	

Part Number Guide **Sample Part #: QXO-5ATA1T-20.000**

	Input Voltage	Operating Temperature	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Tristate Enable/Disable	Frequency
QXO	5 = 5.0V	A = 0°C ~ +70°C	T = 45/55 max	A = 10TTL /15pF HCMOS	1 = ±100	T= tristate on pin 1	20.000 MHz.
	3 = 3.3V	B = -10°C~ +70°C	S = 40/60 max	B = 2 ~ 10TTL	2 = ±50	N = None	
		C = -20°C~ +70°C		C = 30pF HCMOS	3 = ±25		
		D = -30°C~ +75°C		D = 50pF HCMOS	4 = ±20*		
		E = -35°C ~ +80°C		E = ACMOS	5 = ±15*		
		F = -40°C~ +85°C			6 = ±10*		

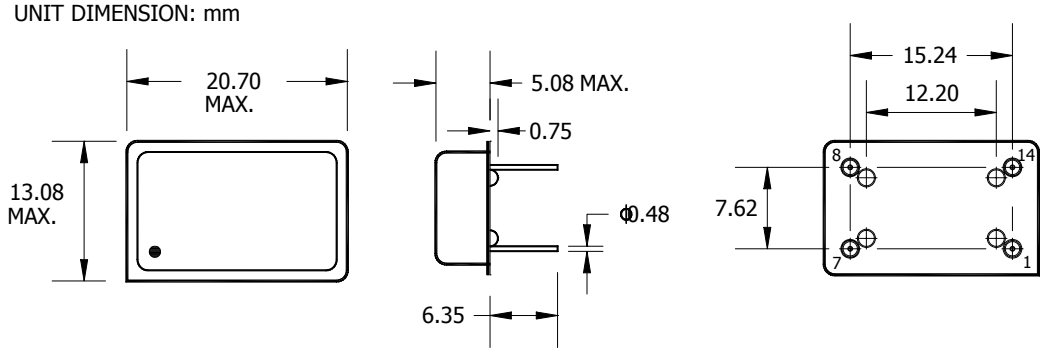
Gullwing Lead Option: add –G after Frequency

* Not available for all temperature ranges.

** Frequency related parameters

Tri-State Function	
Pin 1 Open	Active
Pin 1 ≥ 2.2V	Active
Pin 1 ≤ 0.8 V	High Z

UNIT DIMENSION: mm



PIN	CONNECTION
1	NC/ED
7	GROUND
8	OUTPUT
14	Vcc

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