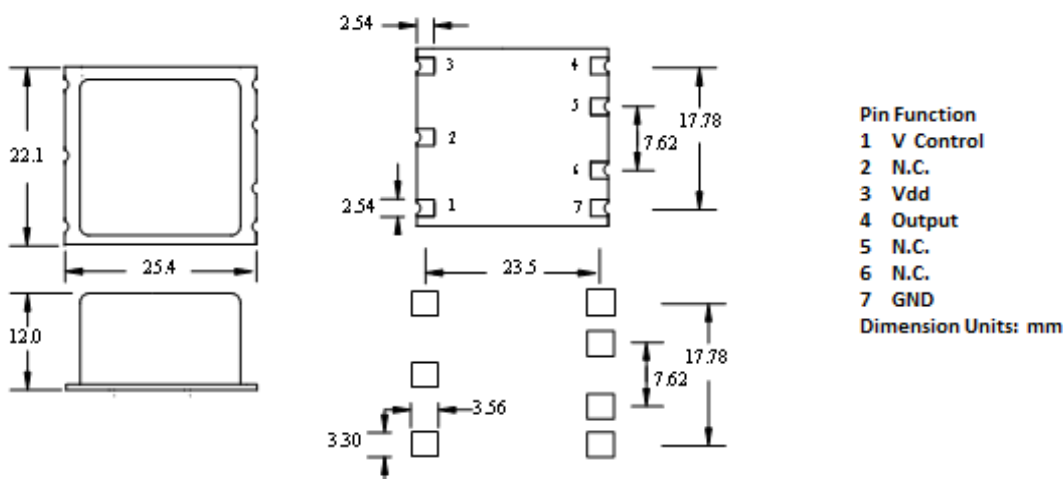


STANDARD SPECIFICATIONS		
Frequency	10.000 MHz, 13.000 MHz and 20.000 MHz	
Output		
Wave form	Sine Wave	HCMOS
Level	+4 dBm, ± 3 dBm	'0' = 10% Vcc Max., '1' = 90% VDC Typ.
Duty Cycle	NA	50% $\pm 5\%$
Rise/ Fall time	10 nS Max. @ Frequencies < 16 Mhz, 5 nS Max. @ Frequencies > 16 Mhz.	
Stability		
Temperature	To ± 0.02 ppm	
Aging 1 st year	To ± 0.03 ppm	
Phase Noise (Typical)	Offset	Phase Noise
	10 Hz	-120dBc
	100 Hz	-140 dBc
	1000 Hz	-145 dBc
	10,000 Hz	-150 dBc
Voltage control	0 Vdc to +3.3V	
Voltage control range	± 0.5 ppm min., (+1.65V ± 1.65 VDC)	
Supply Voltage	3.3VDC $\pm 5\%$	
Supply current max.(during warm up)	1200 mA	
Supply current (typical @ 25 ^o C)	400 mA	
Temperature		
Operating	To -40°C to +85°C (standard)	
Storage	-40°C to +85°C	

Part Number Guide		Sample Part Number: QOS100 – EQBC3 - 20.000				
Package	Operating Temperature	Frequency Stability	Output	Voltage Control	Supply Voltage	Frequency
QOS10-	A = 0° C to +70° C	Q = ± 0.5 ppm	A = Sine Wave	C = Controlled	3 = 3.3 VDC	- 20.000 MHz
	B = -10° C to +75° C	P = ± 0.25 ppm	B = 15pF HCMOS	F = Fixed		
	C = -20° C to +70° C	N = ± 0.1 ppm				
	E = -40° C to +85° C	M = ± 0.02 ppm				



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Specifications subject to change without notice