

DLCT OSCILLATOR



Specifications

Parameters	Standard	Options
Frequency range	1,000 MHz - 160,0 MHz	
Logic output	HCMOS / TTL	
Frequency stability		
Overall	+/- 3,0 ppm	+/-1,0 ppm best possible
Initial at 25°C	Please specify	
Temperature		
vs supply voltage change		
vs load change		
Aging first year		
Aging over Years		
Operating temperature	0° C ~ +70°C	-20°C ~ +70°C
		-40°C ~ +85°C
		Other on custom request
Storage temperature	-40°C ~ +85°C	-55°C ~ +125°C
Supply voltage	3,3 V +/-5%	5,0 V ± 5%
		Other on custom request
Current	40 mA max	
Load	15 pF	Other on custom request
Rise/fall time	8 ns max.	
Duty cycle	45/55	Other on custom request
Jitter (12kHz ~ 20,0 MHz)	3-4 ps typ.	Other on custom request
Phase noise	Please specify (if required)	
Harmonics		
Sub-harmonics		
Start-up time	10 ms max.	Other on custom request
Frequency trimming range with externally adjustable trimmer		± 3 ppm min.
		Other
Marking	Freq + Code + Week +Year	

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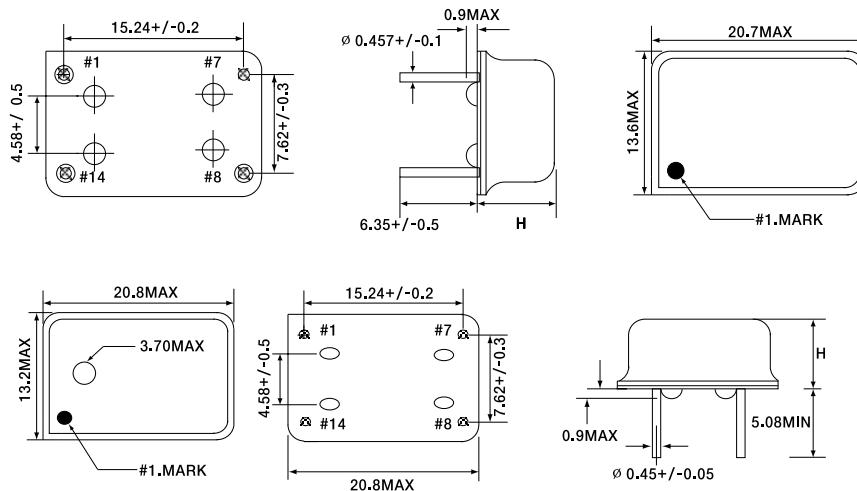
Voltage Control Options

External control voltage	+ 1,65 VDC \pm 1,65 VDC (3,3V) +2,5 VDC \pm 2,5 VDC (5,0V)	Other on custom request
Linearity	\pm 10% max.	Other on custom request
Frequency tuning range	\pm 10 ppm	Other on custom request
Pulling slope	Positive	Other on custom request
External potentiometer	\pm 5 ppm with 10 kOhm (not available with internal trimmer)	

Drawing

Options

Package	DIL14-7	DIL14-7 with hole
	DIL14-9	DIL14-9 with hole



Package	H
DIL14-7	7.48
DIL14-9	9.0

Pin configuration	#1 : NC / Vco / Pot in
	#7 : GND
	#8 : Output
	#14 : Vcc

HM International
 Demer 26 B-2230 Herselt BELGIUM
 Tel. +32(0)14548955 Fax. +32(0)14549443
 email : info@hminternational.be www.hminternational.be