

# DLST OSCILLATOR



## Specifications

Parameters	Standard	Options
Frequency range	2,000 MHz - 160,0 MHz	
Logic output	Clipped sinewave	
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	2,0 mA max	
Load	10 Kohm // 10 pF	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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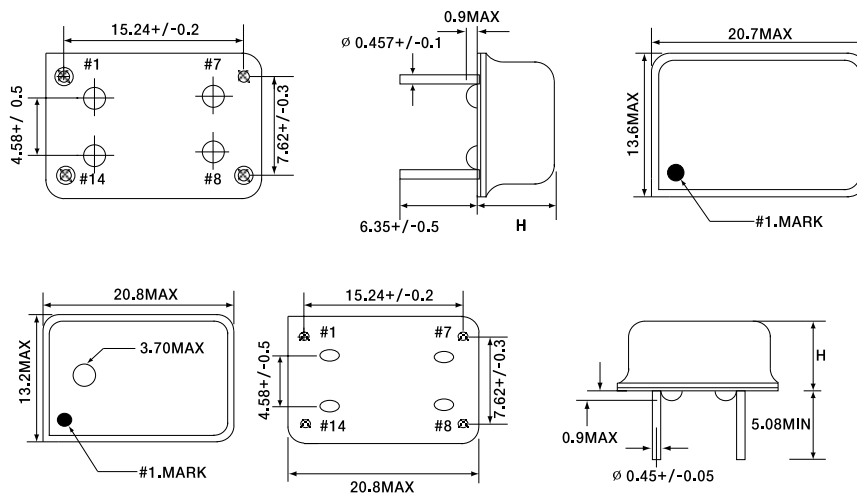
### Voltage Control Options

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

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