

A18ST OSCILLATOR



Specifications

Parameters	Standard	Options
Frequency range	1,000 MHz - 160,0 MHz	
Logic output	Clipped sinewave	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 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				
Drawing		Options				
Package	T183A with hole					
Pin configuration	<table border="1"> <tr><td>#1 : NC / Vco</td></tr> <tr><td>#2 : GND</td></tr> <tr><td>#3 : Output</td></tr> <tr><td>#4 : Vcc</td></tr> </table>	#1 : NC / Vco	#2 : GND	#3 : Output	#4 : Vcc	
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