CS00084AC-1D2-33E100.00000

100 MHz Low Jitter LVPECL MEMS Oscillator

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Description

CS00084AC-1D2-33E100.000000 is a specific configuration of the SiT9120 MEMS differential oscillator. The electrical characteristics of the parameters specific to this configuration are listed in this document.

Refer to SiT9120 datasheet and other qualification documentation for all other specifications and qualification related information.

Features

- Frequency: 100 MHz
- Output type: LVPECL
- Pin 1 operating mode: Output enable
- Industry standard 6-pin package: 7.0 x 5.0 mmxmm

Electrical Characteristics

Parameters	Symbol	Min.	Typ.	Max.	Unit	Condition
Frequency	f	–	100.000000	–	MHz	
Frequency Tolerance	F_tol	-25	–	+25	ppm	Inclusive of: Initial stability, operating temperature, rated power, supply voltage change, load change, shock and vibration
Operating Temperature Range	T_use	-20	–	70	°C	Extended Commercial
Supply Voltage	Vdd	2.97	3.3	3.63	V	
RMS Period Jitter	T_jitt	–	1.2	1.7	ps	
RMS Phase Jitter (random)	T_phj	–	0.6	0.85	ps	Integration bandwidth = 12 kHz to 20 MHz

Ordering Information