

Indent Item : Space Grade 100MHz Single Ended Oscillator

Technical Specification

Sr. No.	Specification	Specification value	Offered Value by Supplier	Compliance
1	Frequency	100 MHz		
2	Supply Voltage	(+) 3.3V		
3	Operating Temperature range	-55°C to +125°C		
4	O/P Duty Cycle Range	40% to 60%		
5	O/P Wave Form	Square Wave		
6	Frequency stability over the operating temperature range	$\leq \pm 50$ ppm		
7	Short Term Frequency Ageing (30 days)	$\leq \pm 5$ ppm		
8	Long Term Frequency Ageing	$\leq \pm 10$ ppm/year		
9	Output Logic at typical load of 15pF//10kΩ	CMOS		
10	O/P Rise and fall time (10% to 90%)	≤ 3 ns		
11	Total Jitter pk-pk	≤ 40 ps		
12	Package	Hermetically Sealed, 4-Pin, SMD (5mm x 7mm Typical Size)		
13	QA Requirement	As per QA Annexure (Annexure - I and Annexure - II)		