



Features and Benefits

High frequency stability (up to ±1ppm over -40°C to +85°C)
LVPECL Output
SMD package

Typical Applications

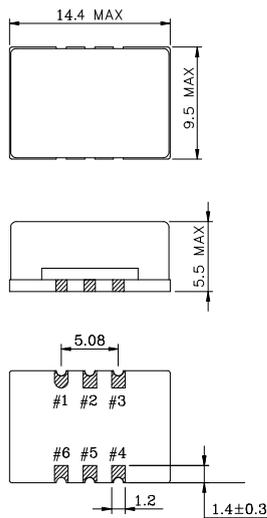
Communication Equipment

Description

TCXO914BE-100MHz-A offers wide temperature operation from -40°C to +85°C with outstanding frequency stability and low size.

Mechanical Drawing & Pin Connections

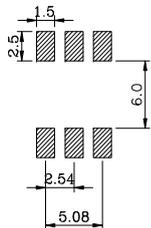
Drawing No: MD190025-1



CONNECTION

- #1 N.C or V.C
- #2 N.C
- #3 GND
- #4 OUTPUT
- #5 N.C or Comp. OUTPUT
- #6 Vcc

Recommended Soldering Pattern





Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			100		MHz	
LVPECL	Duty Cycle		45		55	%	
	Output Load			50		ohm	
	Rise/Fall time				1.0	nS	
Power Supply							
Voltage	V _{cc}	±5%		3.3		V	
Current Consumption					80	mA	
Frequency Stability							
Versus temperature		-40°C to +85°C		±1		ppm	
Tolerance at 25°C		@25°C		±1		ppm	
Versus change in supply voltage		±5%		±0.2		ppm	
Versus change in load		±10%		±0.2		ppm	
First Year Aging				±1.0		ppm	
Environmental Conditions							
Operating temperature range	-40°C to 85°C						
Storage temperature range	-45°C to 90°C						