TCXO5032AT-20MHz-A

Features and Benefits

Frequency range: 20MHz Supply voltage: 3.3V Steady current: 6mA Max Output waveform: HCMOS

Frequency stability vs. operating temperature: ±2.5ppm

Aging: ±1.0ppm per year

Phase noise@1KHz: -130dBc/Hz Operating temperature: -30°C to +85°C

Size: 5.0x3.2x1.5mm

Typical Applications

Indoor Positioning System

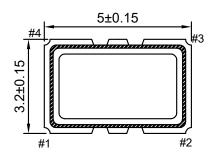
Description

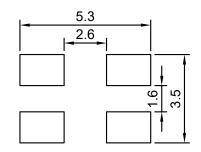
TCXO5032AT-20MHz-A offers wide temperature operation from -30°C to +85°C with outstanding frequency stability and low phase noise performance.

Mechanical Drawing & Pin Connections

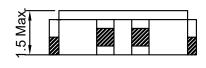
Drawing No:

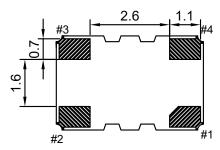
MD220005-1





Recommended Land Pattern





PIN	FUNCTION				
#1	N.C.				
#2	GND				
#3	RF output				
#4	Supply voltage				

Unit in mm 1mm = 0.0394 inches



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TCXO5032AT-20MHz-A Pã @Á¦^&ãã} ÉÃPã @Á^[ãæ]^ÁŒT P: Á∕ÔÝUÁÁ

Specifications

Oscillator Specification	Sym	Condition		Value			Nete	
		Condition	Min.	Тур.	Max.	Unit	Note	
Operational Frequency	F _{nom}			20		MHz		
Output				HCMOS				
Output High Level			2.64			V		
Output Low Level					0.50	V		
Output load				15 pF				
Duty Cycle (50% Vcc)			40		60	%		
Rise/Fall					10	ns		
Start-up time					2	ms		
Power Supply								
Voltage	V _{cc}			3.3		V		
Current Consumption					6	mA		
Frequency Stability								
Total Stability		@25 ℃			±1.0	ppm		
Vs temperature		-30°C to +85°C			±2.5	ppm		
Vs supply voltage changes		±5%			±0.3	ppm		
Vs load changes					±0.3	ppm		
Vs after reflow					±1.0	ppm		
First Year Aging					±1.0	ppm		
Phase noise		1 KHz			-130	dBc/Hz		
Environmental Conditions								
Operating temperature range	-30°C to +8							
Storage temperature range	-40°C to +85°C							