

**Features**

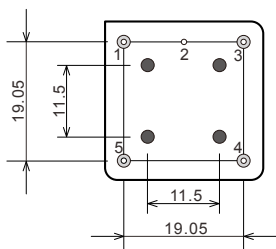
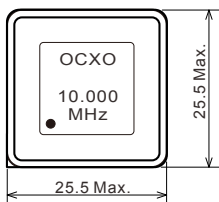
- Dimension 25.5×25.5×12.7mm
- Frequency range from 5MHz to 100MHz
- SC cut crystal
- Output type: LVTTTL / Sine wave
- Low phase noise
- Applications: *Base Station, Synthesizer, Test and Measuring Equipment, etc*
- RoHS Compliant & Pb Free



**Standard Specifications**

Type		9M Series DIP OCXO	
Output Type		LVTTTL/Sine wave	
Output Load		15pF, or specify	
Output Wave Form		Rectangular	
Frequency Range		5~40MHz	10~100MHz
Supply Voltage		3.3V/5.0V	12V
Operating Temperature		-30~+70°C, or specify	
Frequency Stability	Tolerance	±10ppb	
	vs Temperature	±3ppb~±10ppb	
	vs Supply Voltage	±5.0ppb Max.	
	vs Aging	±0.5ppb/Days, ±50ppb/Year, ±0.3ppm/10 Years Max.	
Voltage Vol(Max.) / Voh (Min.)		0.1Vcc/0.9Vcc Max.	
Duty Cycle		45~55%	
Spurious		-60dBC Max.	
Warm-up		±10ppb (In 5 minutes @25°C, referenced to 1 hour)	
Power Consumption (Steady state)		1.2W Max.	
Frequency Adjustment Range		±0.5ppm (+1.65±1.65V/+2.5±2.5V/+5±5V)	
Phase Noise @20MHz	@10Hz	-120dBc/Hz Max.	
	@100Hz	-135dBc/Hz Max.	
	@1KHz	-145dBc/Hz Max.	
	@10KHz	-150dBc/Hz Max.	

**Dimensions [mm]**



**Pin Connections**

Pin No.	Connection
1	R.F. Output
2	0 Volts & Case
3	Vco Input / NC
4	Reference Voltage / NC / Oven Monitor
5	Vcc

