Dynamic Engineers Inc.
2550 Gray Falls Dr., Suite#128, Houston, TX, 77077
TEL: 281-870-8822EMAIL:Sales@DynamicEngineers.com

OCXO2525D-133.25MHz-A
133.25MHz Low Noise OCXO

Features and Benefits

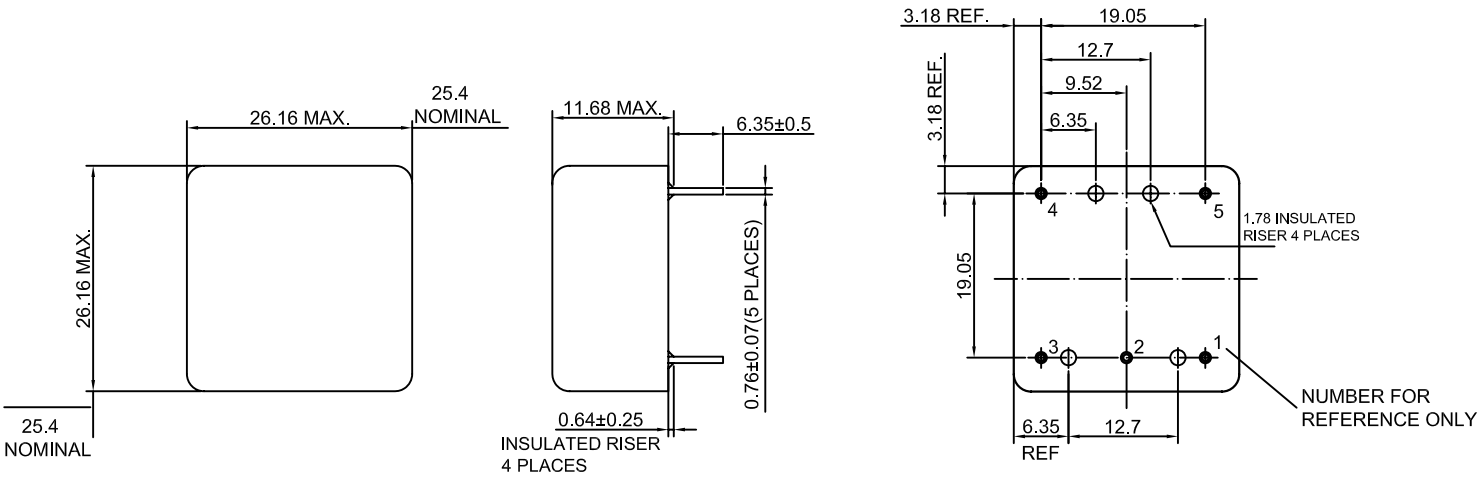
Custom frequency at 133.25MHz
High stability: up to ±200ppb from -45°C to +75°C
Low Power Consumption: 150mA at +25°C steady state
Low Phase Noise: -150dBc/Hz at 1kHz offset
Low Aging: 0.5ppm/year

Typical Applications

Synthesizers
Portable Wireless Communication
Battery Powered Applications
Mobile Test Equipment

Mechanical Drawing & Pin Connections

Drawing No:MD150013-3



PIN CONNECTIONS

1	OUTPUT
2	RF & CASE GROUND
3	VOLTAGE CONTROL
4	N.C.
5	+VDC

Unit : mm
1mm=0.0394inch

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Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ	Max.		
Nominal Frequency	F_0			133.25		MHz	
Setting		25°C, Vc = 5.0Vdc			±0.2	ppm	
RF Output							
Output Wave Form				Sine wave			
Output Level	L		+7			dBm	
Load		50Ω ±5%	47.5	50	52.5	Ω	
Harmonics level					-30	dBc	
Spurs					-80	dBc	
Power Supply							
Voltage		11.5Vdc ±5%	11.4	12.0	12.6	Vdc	
Start Up Power		+25°C			300	mA	
Steady State Power		+25°C		150		mA	
Frequency Stability							
VS. Temperature		-45°C to 75°C Ref. +25°C frequency			±200	ppb	
Aging per year					±0.5	ppm	
Phase Noise							
Phase noise offset		1 kHz			-150	dBc/Hz	
		10 kHz			-158		