Low Phase Noise OCXO
Metal Package, 26 mm x 26 mm

I426 Series

Product Features:

Very Low Phase Noise Option
Low Power Consumption
Voltage Control
High Stability

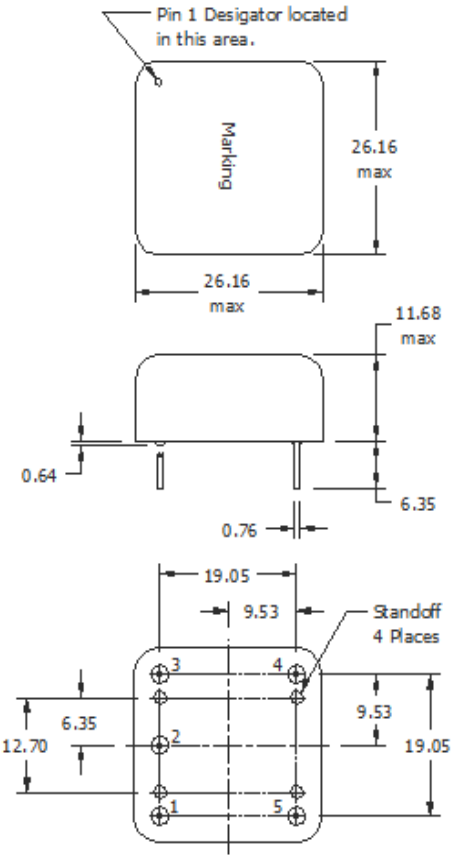
Applications:

Telecommunications
Data Communications
Instrumentation
Test and Measurement

Frequency	10.000 MHz
Output Level Sinewave (Into 50Ω, ±5%)	+5 dBm Min., +7 dBm typ., +9 dBm Max.
Supply Voltage	+12.0 Vdc, ±5%
Output Load	50 ohms ±5%
Harmonics (Into 50Ω, ±5%)	-25 dBc typ.
Frequency Stability	±30.0 ppb (-40°C to +85°C)
Frequency Vs Aging	±0.5 ppb (per day after 30 days of continuous operation) ±0.1 ppm (1st year) ±0.5 ppm (10 year)
Initial Accuracy @ 25°C	±0.1 ppm with Vc = +2.00 VDC
Current @ 25 ° C (Start Up) **Current @ 25 ° C (Steady State)**	4.0 Watts Typ. 1.5 Watts Typ.
Voltage Control (Vc) EFC Swing Pullability Input Impedance Linearity (Slope =Positive)	0.0 VDC Min., +2.0 VDC typ., +4.0 VDC Max. ±0.5ppm Min. 100K Ω Min. 10% Typ.
Phase Noise (dBc/Hz)	

Option	A	B	C	D	E
1Hz	- 80	- 90	- 95	-100	-100
10Hz	-115	-120	-125	-130	-130
100Hz	-145	-148	-152	-152	-152
1kHz	-150	-155	-160	-160	-160
10kHz	-155	-160	-165	-165	-170
100kHz	-155	-160	-165	-165	-170

Operating	-40° C to +85° C
Storage	-55° C to +125° C



Pin Numbers on bottom surface are for reference only. They are not to be marked on the unit.

PIN CONNECTIONS	
PIN 1	OUTPUT
PIN 2	CASE GROUND
PIN 3	VOLTAGE CONTROL
PIN 4	NO CONNECTION
PIN 5	SUPPLY VOLTAGE

Dimensions in mm

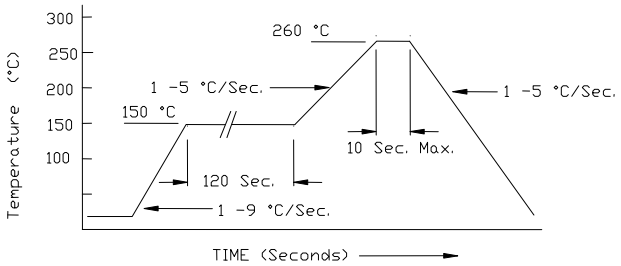
Part Number Guide **Sample Part Number: I426D-92AXV-10.000 MHz**

Package	Phase Noise Option (see table above)	Input Voltage	Operating Temperature	Output	Frequency Stability (in ppb)	Voltage Control	Frequency
I426	(Phase Noise Option) -	9 = +12..0V	2= -40° C to +85° C	A = Sine	X = ±30	V = Controlled	-10.000 MHz

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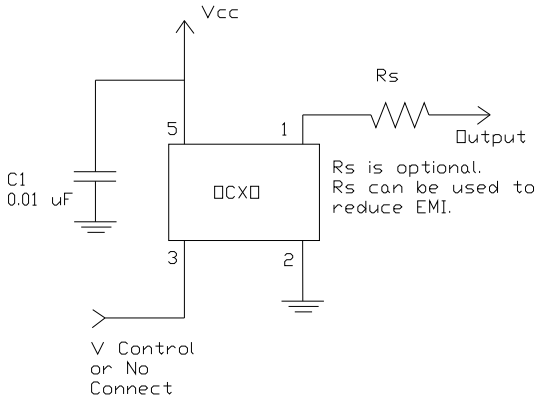
I426 Series

Pb Free Solder Reflow Profile:



*Units are backward compatible with 240C reflow processes

Typical Application:



Package Information:

MSL = N.A. (package does not contain plastic; storage life is unlimited under normal room conditions).
Termination = e1 (Sn / Cu / Ag over Ni over Kovar base metal).

Environmental Specifications

Shock	MIL-STD-202G, Method 213, Condition C
Vibration	MIL-STD-202G, Method 204, Condition A

Marking

Line 1: ILSI and Date Code
Line 2: X-XXXXX (Part Number detail = I426X-XXXXX-Freq.)
Line 2: Frequency

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