UK SIMAKE COMMUNICATION GROUP LTD

Model:SMKWISBD-60.000MHz

FEATURE

The SMK2525OCAI OCXO is the cost effective highly stableoscillator for telecom applications.
Frequencies available are from 10MHz to 100MHz, and power supply options are 3.3V, 5V & 9V.
These 25 x 25 mm package series of oscillators are designed with an embedded post-compensation system with a micro-controller.

APPLICATION

Sync E modules

Stratum 3E timing modules

Time and frequency references

Tests equipment

25*25*12 mm

Specification for electrical appliances

Parameter	9.0V		Unit
	MIN	MAX	
Supply Voltage(VDD) 5%	8.55	9.45	V
Frequency Range	10	100	MHz
Standard Frequency	60.000000		
Frequency Tolerance*	0.1		ppm
Output waveform	Sine wave		
Vs Load (±5%) change@25℃	±0.05		ppm
Load Variation	±0.10		ppm
Ageing(first year)	±0.10		ppm
Temperature Stability(-40℃～+85℃)	±0.10		ppm
Level	7.0		dBm
Load	50		Ω
Operating Current(during warm up)	500		mA
Operating Current(at steady state,@25℃)	200		mA
control voltage (Nominal=2.5v)	0 to 5.0		V
frequency control range (0V-5V)	0.5	1.0	PPm
Harmonics level	-30		dBc
Spurious level	-75		dBc
Operating temperature range	-40	85	° C

EMAIL: EVA@CIMAKE.COM.CN MARK@CIMAKE.CO.UK
TEL: +44 0208 492 6388 FAX: +44 0208 492 0196
COMPANY ADDRESS: 419, HARBOME ROAD , EDGBASTON, BIRMING.B15 3LB

60.000MHz ocxo ssp phase noise

Phase Noise		Unit
10Hz	-100	dBc/Hz
100Hz	-130	
1KHz	-155	
10KHz	-160	
100KHZ	-165	

Environmental Parameters

Storage Temperature Range: -55 to 90° C

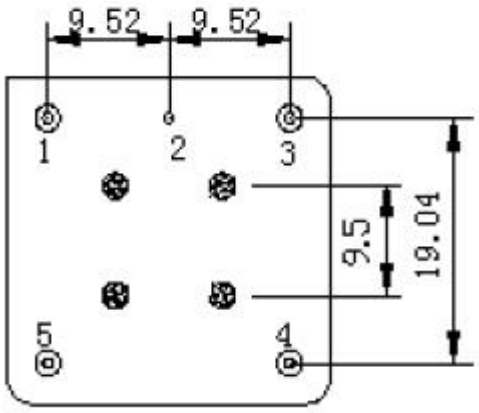
Frequency stability over temperature in still air

Shock: IEC 60068-2-27, Test Ea: 1500G acceleration for 6ms, 3 shocks in each of 3 mutually perpendicular planes

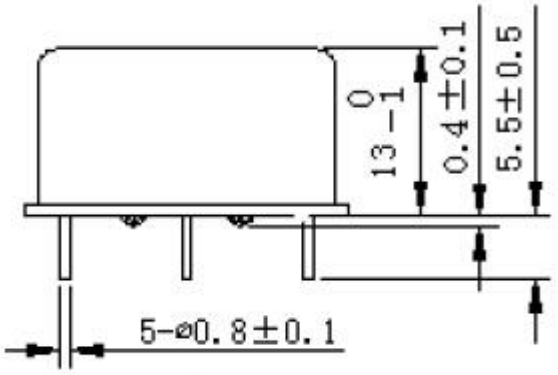
Vibration: IEC 60068-2-6, Test Fc, Procedure B4: 10Hz-60Hz, 1.5mm displacement, 60-2000Hz at 98.1m/s², 30mins in 3 mutually perpendicular planes at 1 oct/min

Solderability: MIL-STD-202, Method 208, Category 3

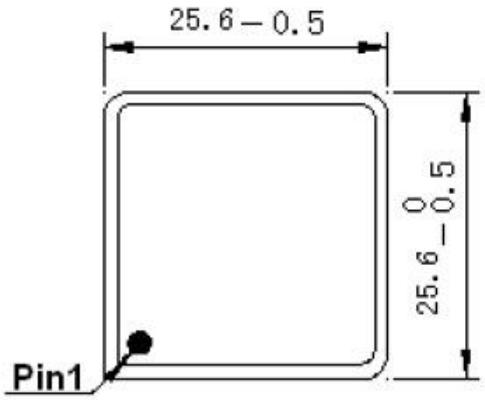
DIMENSION (mm)



BOTTOM VIEW



FRONT VIEW



TOP VIEW

Pin No.	Pin Function
1	Output
2	GND
3	VC
4	reference
5	VS

EMAIL: EVA@CIMAKE.COM.CN MARK@CIMAKE.CO.UK
TEL: +44 0208 492 6388 FAX: +44 0208 492 0196
COMPANY ADDRESS: 419, HARBOME ROAD , EDGBASTON, BIRMING.B15 3LB