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SPECIFICATION

SJK PN: 6X01500000LH

深圳市晶科鑫实业有限公司
SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO., LTD.

Oven Controlled Crystal Oscillators

FEATURE

Quartz Crystal Specification Confirmation

	Parameters		Electrical Spec.				Notes
			Min.	Typical	Max.	Unit	
1	Part No.		-				6X01500000LH- 10.000 - 0.03 / -20+60
2	Nominal Frequency		10.000000				MHz
3	Operating temperature		-40°C to +85°C				
4	Holder Type		-				36.3 * 27.2* 12.7 mm , Dip Type
5	Output Wave Form		-				Rectangula
6	Level		LVTTTL				
		"1" level	+2.6	+3.3		V	
		0" level			+0.4	V	
7	Load		15PF				
8	Initial Accuracy		-0.1		+0.1	ppm	@ +25 ±1°C/ after turn on power 15 ±1 minutes δ 90 days following date code/ VCO Input at Center Voltage ±0.001V
9	Duty cycle		45	50	55	%	@ +1.65V/10% to 90%
10	Rise/fall time				6	ns	
11	Spurious				-60	dBc	
12	Ambient		±3, ±5, ±10				ppb
13			-30 ~ +70/-40 ~ +85				°C
14	Warm-up		-10		+10	ppb	in 10 minutes @+25 ±1°C/ referenced to 1 hour
	Aging	daily	-0.5		+ 0.5	ppb	after 30 days
		yearly	-50		+ 50	ppb	
		10years	-0.3		+ 0.3	ppb	
	Voltage		-0.5		+0.5	ppb	±5% change
	Phase noise				-95	dBc/Hz	@ 1Hz
15	Voltage control on pin1 (EFC) (electronics freq. tuning)	Deviation Range		~	± 0.5	ppm	0 V ~ 5.0 V
		Control Voltage Range			+5	V	
		Input Impedance	100			K Ω	
		EFC Linearity			± 10	%	
16	Voltage		+4.75	+5.0	+5.25	V	
17	Current				800	mA	@ turn on
18	Steady state				1.3	W	@ +25°C
19	REFERENCE Voltage		+3.8	+4	+4.2	V	
20	Load		9			kΩ	
21	Storage temperature		-55°C to +105°C				

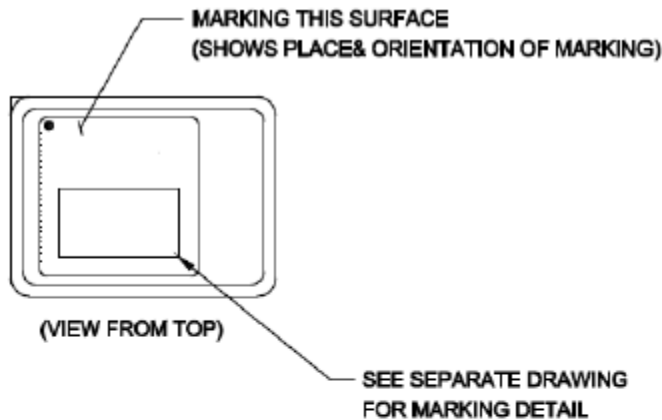
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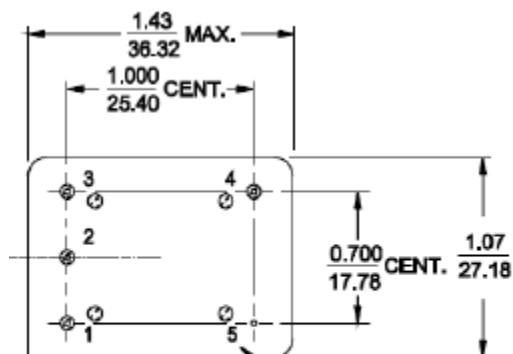
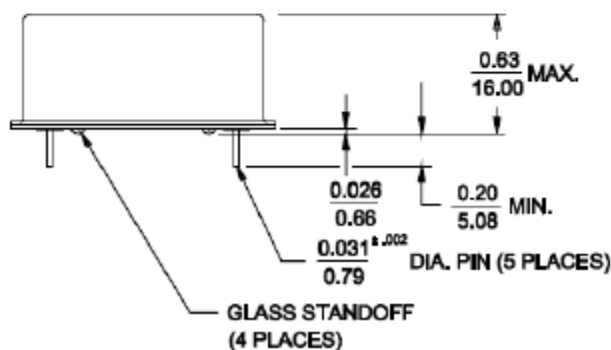
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Oven Controlled Crystal Oscillators

Package Dimension (Unit : mm)



PIN CONNECTIONS	
PIN	FUNCTION
1	VCO INPUT
2	OVEN MONITOR
3	+VDC
4	R. F. OUTPUT
5	0 VOLTS & CASE



(VIEW FROM BOTTOM)

NUMBERS FOR REFERENCE ONLY
(NOT STAMPED ON UNIT)

$\frac{\text{INCH}}{\text{mm}}$ (REFERENCE ONLY)

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