			KLV	DAIL		KLV	ISION KECOI	עא		DVVIN	
OUTDUT	CRYSTAL		-	02-24-14	Initial Re	elease				PAC	
OUTPUT	Туре	L		1							
Frequency	SC-cut (HC-40)										
10 MHz	OTHER	-									
Level	Storage Temperature	L									
+8 ±1 dBm into 50 ohms	-40° to +85°C										
Frequency Accuracy											
To within ±2 x 10 <sup>-8</sup> of final frequency	Acceleration Sensitivity										
at time of shipment	< 2 x 10 <sup>-9</sup> /g per axis, typical										
STABILITY	Oven Monitor										
Aging	At turn on: +10.5 ±1 VDC										
	At stabilization: +3.5 ±0.5 VDC							<b>-</b> 0.500			
0.5 ppb per day at time of shipment	(10 minutes after turn on at +25°C)	Α						0.000			
Phase Noise L(f)	Source impedance: 20 kohm, nomir	nal 1"					h				
1 Hz -115 dBc/Hz	Test Data	TYP				( <b>®</b>		<b>—</b> 0.000			
10 Hz -145 dBc/Hz	Output Level	1		0	•	))		<b>—</b> 0.200			
100 Hz -160 dBc/Hz	Frequency Accuracy (at shipment)		_ L					<b>—</b> 0.500	PIN	FUNCTI	
1 kHz -165 dBc/Hz	Aging (at shipment)							0.000	1	RF Outp	
10 kHz -165 dBc/Hz	Phase Noise					П			2	Oven Mo Electrica	
Temperature Stability	Temperature Stability							1.117	4	Oven Su	
±2 ppb, -20° to +70°C (Ref: +25°C)			-	1	2 3 4 5	6	<b>\</b>	— 1.117	5	GND	
Harmonics	Harmonics	Ĭ	(	(0)				0.800	6	Oscillato	r Sı
-30 dBc	Non-Harmonics										
Non-Harmonics	Warm-up Power										
-90 dBc, excluding line related spurs	Total Power										
MECHANICAL		2.25" SC						— 0.000			
Dimensions		TYP	.				9		ency a	djustment	1
2.25 x 2.25 x 1"								seal s	crew		
Connectors											
SMA(f) and feedthru capacitor			//	$\bigcirc$			))	<b></b> 0.800			
Packaging		4					//				
Sealed steel can with gasketed access			-				7	— 1.117	O thros	محمد المحمد	
<del>_</del>			1	1 1	1111	1 1		#4-40 4 pla		ded inser	٠,
screw and threaded inserts on base			_		0000	0 0	<u> </u>	4 plu	.000		
POWER REQUIREMENTS			1.117	0.600	.45 .30 .15 .00	0.800	1.117				
Oscillator Supply Voltage			7	0 0	0000	, 0 0	7				
+12 ±1 VDC, 40 mA max											
Oven Supply Voltage											
+12 ±1 VDC											
< 8 Watts for 10 minutes (+25°C) at turn o	n										
< 3 Watts at +25°C after stabilization		-									
ADJUSTMENT				W <sub>1</sub>	Wenze	el As	socia	ıtes, In	IC.		
Mechanical Tuning				<u> </u>			stin, Texas				
±1 x 10 <sup>-6</sup>			Γitle:								
Electrical Tuning				10 M	Hz Str	eamli	ine Cry	stal Os	cilla	ator	
		-	P/N:		Rev:	Date:		Drawn:		Ref:	
±2 x 10 <sup>-7</sup> , ±5 VDC			501	1-27867	_		-24-14	1			
		L			LOVYD			FOOM	1		
		(	Colerances: except as n		0.XX Dec:		0.XXX Dec:	" FSCM: 6282	21	Page 1 of	. 1
		1	Jimensions	are in inches	±0.03	3U	±0.010'	028	<b>4</b> I	raye I O	•

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DATE

REVISION RECORD

DWN

Oven Monitor **Electrical Tuning** 

Oven Supply

Oscillator Supply

AUTH

Liz