			REV	DATE		REVISION RECORD		DWN	AUTH
EXTERNAL REFERENCE INPUT	POWER REQUIREMENTS		-	11-05-14	Initial Release			PAC	
Frequency	Warm-Up Power		A	12-30-14	Added spectral	purity specs; Lock	Alarm	PAC	
10 MHz	<6 Watts for 5 minutes								
Level	Total Power								
+1 to +15 dBm into 50 ohms	<4 Watts at +25°C								
OUTPUT	Supply Voltage								
Frequency	+15 VDC ±5%								
10 MHz	ADJUSTMENT								
Level	Mechanical, for Frequency			I			I		
+13 dBm ±2 dB into 50 ohms	Accuracy				•	090 ———			
STABILITY	+5 x $10^{-7}$ typical								
Aging	CRYSTAL		1 275		2	.375 —	M	lounting ho	les,
$5 \times 10^{-10}$ /day after 30 days operating			1.225 —				di	iam. = 0.12	5, 4 places
$= 40^{-8}$	10 MHz SC-cut			<b>T</b>		1		1.050	
5 x 10 /year, second year, typical	STATUS BITS	(	0.710 —		7	2		0.850	
Phase Noise L(f), unlocked	External Reference Loss					4		).450	
10 Hz -130 dBc/Hz	TTL. Low = loss of reference					5		0.250	
100 HZ -155 0BC/HZ	Oscillator will "self " center			2.750		· · · /	0	0.000	
Temperature Stability	when reference is lost.						Lal	bel This	Face
	Out-of-Lock Alarm								
±1 x 10 °, 0° to +50°C (Ref +25°C), unlocked	TTL, High = Locked								
Frequency Accuracy			1 225		. ((	6			
$\pm 5 \times 10^{-8}$ at time of shipment (+25°C)			1.375 —				/		
Type 2 Loop Characteristics									
Target BW: ≤ 1 Hz									
$-5$ minute to within $1 \times 10^{-9}$ of input		Pin Functio	on	1.5 1.5		0.1	1.5 1.3		
		1 Ground 2 Supply	i Voltage	45 45		75 00	50 50		
SPECIAL PURITY		3 Externa 4 Out of I	al Ref. Detect						
$\leq -30  dBc$		5 Phase 6 Externa	Voltage al Ref. In			~	0 125		
≥ -50 0DC PLL Divider Products		7 RFOut				$\bigcirc$	-0.000 1.1	00" max	
	Conne	ector numbers a	are for refere	ence only.	۳4 ×	-			
Spurious	They a	are not marked	on unit.	+				_	
< -80 dBc excluding power					P	SMA-Female			
supply line related spurs					Mounting plat	te 0.1" max			
MECHANICAI				SM	IA-Female				
Dimensions									
2.375" x 2.750" x 1.1" housing with bracket.									
mounting holes. Diam. 0.125"					Nonzol	Accociato	o Inc		
Connectors			Austin Texas						
SMA Output, SMA Input,			Title:						
Feedthru capacitors			10 MHz-SC Phase Locked Crystal Oscillator						
Packaging			P/N·		Rev: Data	. In	)rawn:	Rof	
Solder sealed steel can			501	-28561	<b>A 1</b>	2-30-14	numi.	501	-09815g
			Tolor				50014		
			(except as n	oted)			FSUM: 62821	Page 1 of	1
			Dimensions		±0.000	±0.010	52021		