		51	DATE		DWA	A11711
		EV	DATE	REVISION RECORD	DWN	AUTH
OUTPUT			07-22-08	Draft	VG PAC	
		A B	01-22-09	Updated Drawing	PAC	
Frequency		C B	02-11-09 04-08-09	Updated Drawing Title Block (Added Citrine)	VG	
100 MHz		D	04-08-09	Updated Drawing	PAC	
Level		E	11-07-12	Updated Drawing	PAC	
+13 dBm ±2 dB into 50 ohms		L	11-07-12	Opualed Drawing	FAC	
STABILITY						
Aging						
1 x 10 ⁻⁶ per year						
after 30 days operating, typical	C C					
Phase Noise L(f)	Frequency Adjust			1.665 in		
100 Hz -130 dBc/Hz		1.835 in -	1	1.000		
1 kHz -158 dBc/Hz		1.055111			0.0	85 in
10 kHz -176 dBc/Hz				I I		
100 kHz -176 dBc/Hz	0in —	9 E) @	·		<u> </u>
Temperature Stability	0.308in —				' ╡ ╹	•
			_		Ч	
$\pm 2 \times 10^{-7}$, 0° to +60°C (Ref +25°C)			æ			
MECHANICAL				1.865 in		1.695 in
Dimensions			æ			
1.835 x 1.865 x 0.75"			8			
Connectors	1	2 3	4			
SMA(f) and solder pins on side		ล ัด	, a	• – – –		<u> </u>
Packaging		ŤŦŢŢĬ	╘╴╼┚╴╴	── /॑॑॑ <u>─</u> ───────	ΤÎ	
Nickel-plated machined aluminum case		- U			.0. سعبا لعبا	085 in
POWER REQUIREMENTS				/		
				Threaded Inserts,		
Warm-Up Power				4X 2-56, 0.100 DEEP		
≤ 5 Watts for 5 minutes	0.750 in-			,		
Total Power	0.550 in—	00	60 –	-0.400 in CONN Funct	on	
≤ 2.7 Watts at +25°C			6°01	-0.400111		
Supply Voltage	0 in—			1 Electrical T		
+15 VDC ±5%	011			2 Case Grou 3 Supply Vol		
ADJUSTMENT		.≟. ≟.	. <u></u>	4 RF Output	aye	
Mechanical Tuning	0 ir- 0.375 ir-	0.743 in- 1.085 in-	.510 in			
$\pm 4 \times 10^{-6}$	0.0	0.7	11			
$\pm 4 \times 10$						
Electrical Tuning						
±2 x 10 ⁻⁷ , ±5 VDC						
Negative slope						
CRYSTAL	F					
				Venzel Associates, Inc	•	
				Austin, Texas		
100 MHz	Γ	Title:				
SPECIAL		100	MHz-SC	Ultra Low Noise II Crysta	I Oscilla	ator
Acceleration Sensitivity		P/N:		Rev: Date: Drawn:	Ref:	
≤ 5 x 10 ⁻¹⁰ /g per axis			-19459	E 11-07-12		
Guaranteed						
		Tolerances: (except as note	ed)	0.XX Dec: 0.XXX Dec: FSCM:	Page 1	of 1
		Dimensions are	e in inches	±0.030" ±0.010" 62821	Fage I	