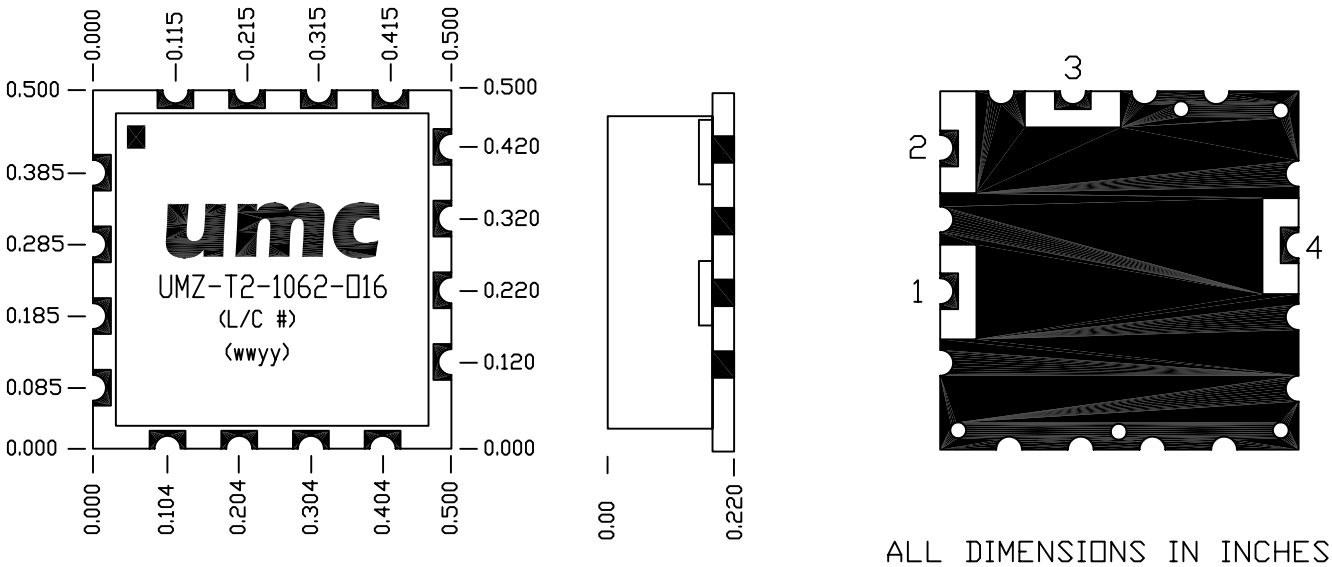
CONFIDENTIAL

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+14.8
DC Voltage applied to PIN 1	+/- 0V
DC Voltage applied to PIN 2	+/- 0V

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

1: RF OUT	
2: 1/2 FREQUENCY SAMPLE	
3: SUPPLY VOLTAGE INPUT	
4: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches
TOLERANCES
.X =+/-.1
.XX =+/-.01
.XXX =+/-.005
ANG =+/-2°
Universal Microwave Corporation Proprietary Information

Prepared by: A.BYRD 12/7/05

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL DRAWING FOR UMZ-T2-1062-016

SIZE	FSCM NO.	DWG NO.	REV
A		UP-1062	A

SCALE N/A | SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	**5400**		**6950**
Power Output, dBm	**-4.0**	**0**	**+3.0**
½ Frequency Sample Power Output, dBm	**-10**	**-5**	**0**
Sub-Harmonics, dBc		**-17**	**-10**
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		**-63**	**-58**
@ Offset = 10kHz		**-86**	**-81**
@ Offset = 100kHz		**-106**	**-101**
@ Offset = 1MHz		**-126**	**-121**
@ Offset = 10MHz		**-146**	**-141**
Pushing, MHz/V		**3**	**7**
Pulling, MHz p-p, @12dBr, all phases		**0.1**	**0.2**
Tuning Voltage, Vdc	**+0.5**		**+13.8**
Tuning Sensitivity, MHz/V	**95**	**130**	**160**
Frequency drift with temperature:			
@ -40°C, MHz		**37**	
@ +85°C, MHz		**37**	
Supply Voltage, Vdc		**+12.0**	
Supply Current, mA		**54**	
Output Power @ V_t = 0 and 15V	**-5.0**		
Tuning Port Capacitance, pF		**10**	
3dB Modulation Bandwidth, kHz		**5000**	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING		
Drawing No. UMZ-T2-1062-O16		
Size A		REV A
Engineer: T. Kraus 12/7/05		SHEET 2 OF 2