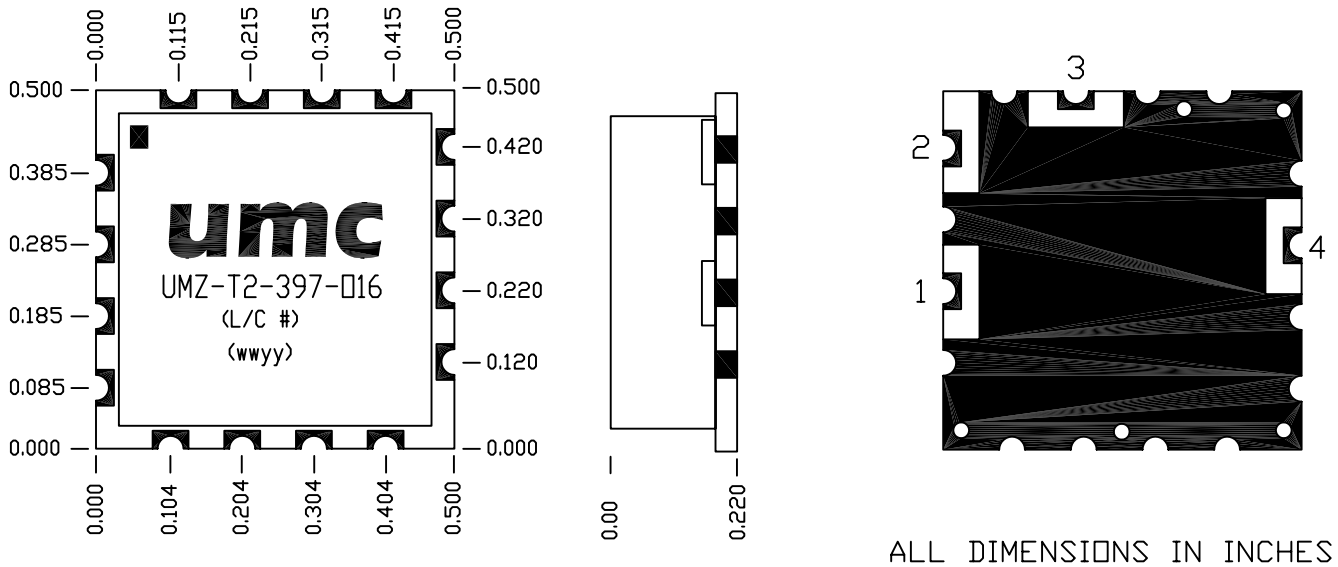




CONFIDENTIAL

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

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 10/19/05
 Engineer:
 Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

Universal Microwave Corp.
 SPECIFICATION CONTROL
 DRAWING FOR UMZ-T2-397-016

SIZE A	FSCM NO.	DWG NO. UP-397	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz		6525	
Power Output, dBm	-3.0	0	+2.5
1/2 Frequency Sample Power Output, dBm	-10	-5	0
Sub-Harmonics, dBc		-20	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-70	-65
@ Offset = 10kHz		-96	-91
@ Offset = 100kHz		-116	-111
@ Offset = 1MHz		-136	-131
@ Offset = 10MHz		-156	-151
Pushing, MHz/V		3	5
Pulling, MHz p-p, @12dBr, all phases		0.2	0.5
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		60	
Frequency drift with temperature:			
@ -40°C, MHz		13	
@ +85°C, MHz		13	
Supply Voltage, Vdc		+5.0	
Supply Current, mA		50	
Output Power @ $V_t = 0$ and 5V	-4.0		
Tuning Port Capacitance, pF		10	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-T2-397-O16			
Size	A	REV	A
Engineer: T. Kraus 10/19/05		SHEET 2 OF 2	