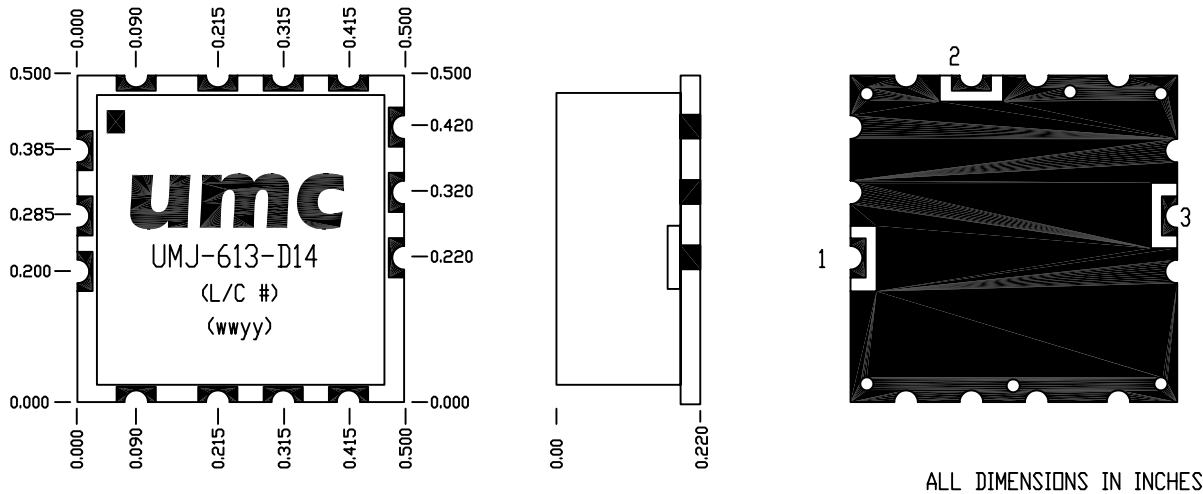




CONFIDENTIAL

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+9.0
Vtune Voltage, Vdc	+13.0
DC Voltage applied to RF out	+/- 25



ALL DIMENSIONS IN INCHES

TABLE 1.2, CONTACT ASSIGNMENTS

CONTACT ASSIGNMENTS:	
1: RF OUT	
2: SUPPLY INPUT	
3: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

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

Universal Microwave Corp.
 SPECIFICATION CONTROL
 DRAWING FOR UMJ-613-D14

Prepared by: A.BYRD 9/6/05
 Engineer:

SIZE
 A

FSCM NO.

DWG NO.

UP-613

REV
 A

Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	219		226
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-25	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-100	-95
@ Offset = 10kHz		-125	-120
@ Offset = 100kHz		-145	-140
@ Offset = 1MHz		-164	-159
@ Offset = 10MHz		-164	-159
Pushing, MHz/V		0.1	0.5
Pulling, MHz p-p, @12dB _r , all phases		0.3	1.0
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		2	
Frequency drift with temperature:			
@ -40°C, MHz		0.5	2
@ +85°C, MHz		0.5	2
Supply Voltage, Vdc		+8.0	
Supply Current, mA		16	
Output Power @ $V_t = 0$ and 12V	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMJ-613-D14			
Size	A	REV	A
Engineer: PJE 9/6/05		SHEET 2 OF 2	