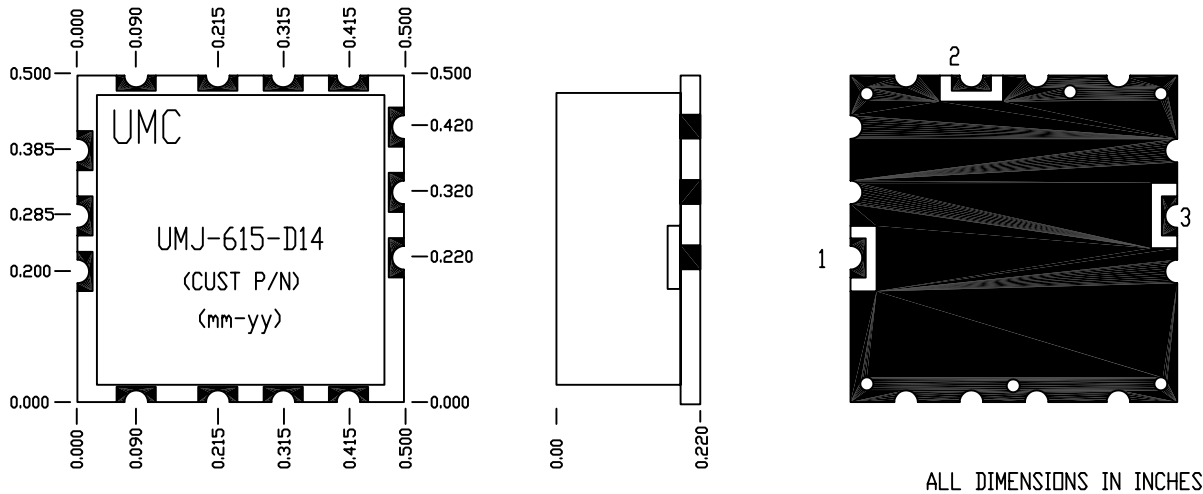




CONFIDENTIAL

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

Universal Microwave Corporation  
Proprietary Document

Prepared by: M.BANKS 5/2/05

Engineer:

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMJ-615-D14

SIZE  
A

FSCM NO.

DWG NO.

UP-615

REV  
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	244		251
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-30	-20
<b>SSB Phase Noise, dBc/Hz:</b>			
@ Offset = 1kHz		-102	-97
@ Offset = 10kHz		-127	-122
@ Offset = 100kHz		-147	-142
@ Offset = 1MHz		-164	-159
@ Offset = 10MHz		-164	-159
Pushing, MHz/V		0.1	0.3
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		0.5	1
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		2	
<b>Frequency drift with temperature:</b>			
@ -40°C, MHz		0.5	1
@ +85°C, MHz		0.5	1
Supply Voltage, Vdc		+8.0	
Supply Current, mA		20	
Output Power @ $V_t = 0$ and 12V	+6.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMJ-615-D14			
Size	A	REV	A
Engineer: PJE 5/2/05		SHEET 2 OF 2	