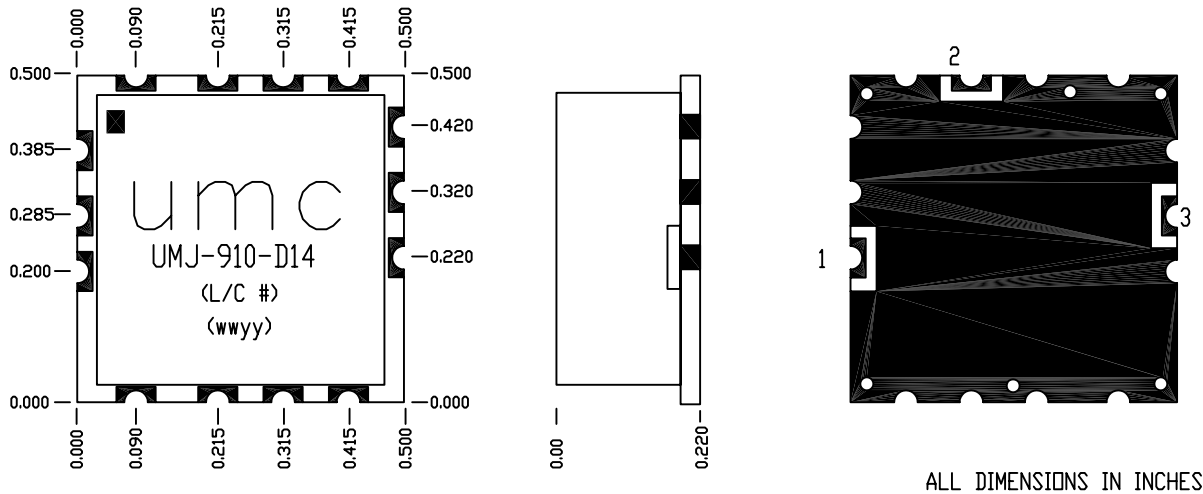




CONFIDENTIAL

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	+5.0
Vtune Voltage, Vdc	+4.5
DC Voltage applied to RF out	+/- 0V



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  
 Prepared by: A.BYRD 5/19/06  
 Engineer:  
 Universal Microwave Corporation  
 2339 Destiny Way  
 Odessa, FL 33556

Universal Microwave Corp.  
 SPECIFICATION CONTROL  
 DRAWING FOR UMJ-910-D14

SIZE A	FSCM NO.	DWG NO. UP-910	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz		80	
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-20	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-109	-104
@ Offset = 10kHz		-134	-129
@ Offset = 100kHz		-154	-149
@ Offset = 1MHz		-164	-159
@ Offset = 10MHz			
Pushing, MHz/V		0.1	0.2
Pulling, MHz p-p, @12dBr, all phases		0.1	0.2
Tuning Voltage, Vdc	+1.0		+4.0
Tuning Sensitivity, MHz/V		1	
Frequency drift with temperature:			
@ -40°C, MHz		0.4	0.6
@ +85°C, MHz		0.4	0.6
Supply Voltage, Vdc		+4.5	
Supply Current, mA		19	
Output Power @ $V_t = 0$ and 4V	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMJ-910-D14			
Size	A	REV	A
Engineer: T.KRAUS 5/19/06		SHEET 2 OF 2	