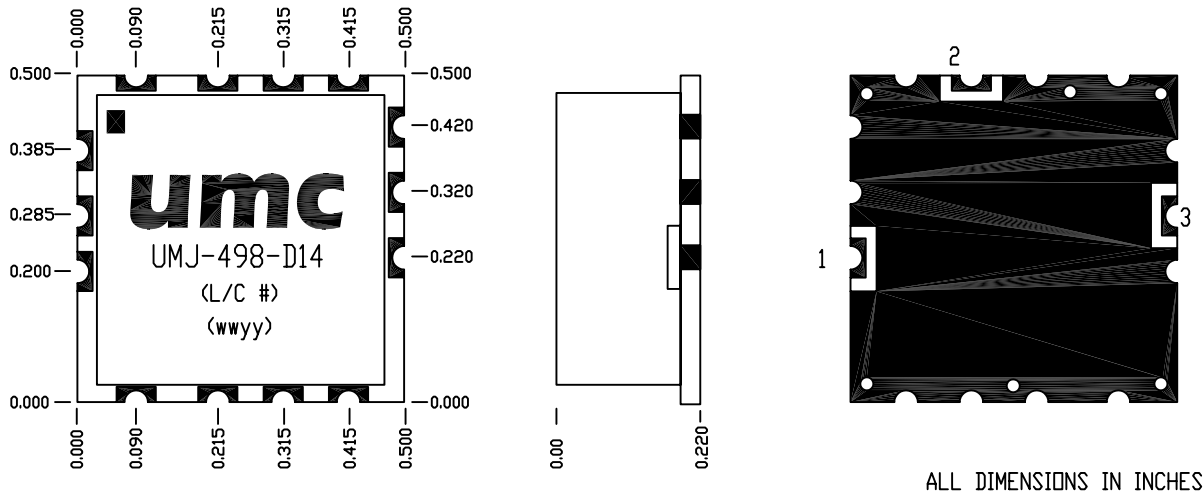




CONFIDENTIAL

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	+5.5
Vtune Voltage, Vdc	+5.0
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

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Universal Microwave Corp.  
 SPECIFICATION CONTROL  
 DRAWING FOR UMJ-498-D14

SIZE A	FSCM NO.	DWG NO. UP-498	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz		374	
Power Output, dBm	+6.0	+8.0	+10.0
Harmonics, dBc		-25	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-93	-90
@ Offset = 10kHz		-118	-115
@ Offset = 100kHz		-138	-135
@ Offset = 1MHz		-158	-153
@ Offset = 10MHz		-164	-159
Pushing, MHz/V		1.0	1.5
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		1.0	3.0
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		5	
Frequency drift with temperature:			
@ -40°C, MHz		2	4
@ +85°C, MHz		2	4
Supply Voltage, Vdc		+5.0	
Supply Current, mA		15	
Output Power @ $V_t = 0$ and 5V	+5.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMJ-498-D14			
Size	A	REV	A
Engineer: PJE 9/6/05		SHEET 2 OF 2	