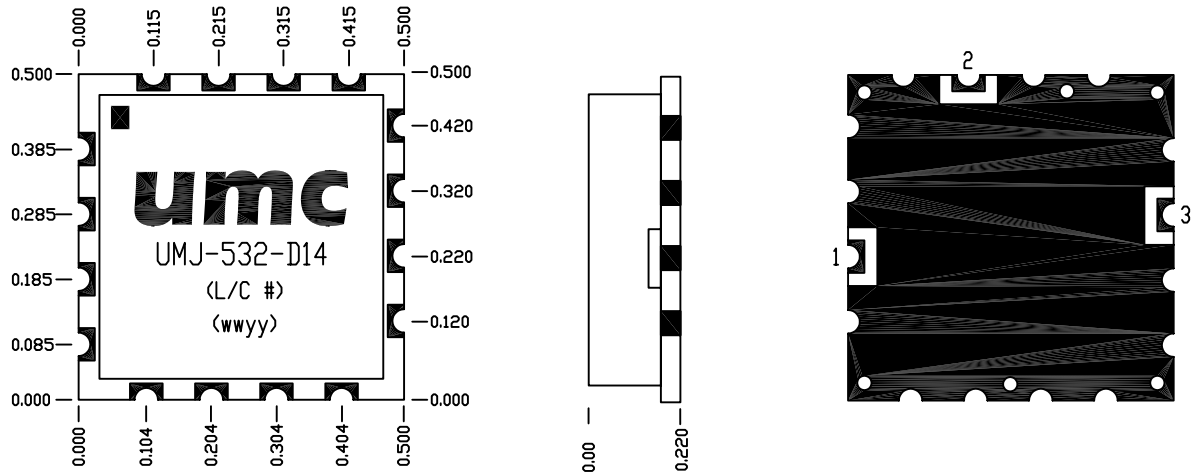




CONFIDENTIAL

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	+13.0
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 =+/-0.1
 .XX =+/-0.01
 .XXX =+/-0.005
 ANG =+/-2°
 Universal Microwave Corporation
 Proprietary Information
 Prepared by: A.BYRD 9/16/05
 Engineer:
 Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
 DRAWING FOR UMJ-532-D14

SIZE A	FSCM NO.	DWG NO. UP-532	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	125		202
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-25	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-95	-90
@ Offset = 10kHz		-122	-117
@ Offset = 100kHz		-142	-137
@ Offset = 1MHz		-162	-155
@ Offset = 10MHz		-165	-155
Pushing, MHz/V		0.05	0.2
Pulling, MHz p-p, @12dB _r , all phases		0.05	0.2
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		8.5	
Frequency drift with temperature:			
@ -40°C, MHz		0.5	
@ +85°C, MHz		0.5	
Supply Voltage, Vdc		+12.0	
Supply Current, mA		20	
Output Power @ $V_t = 0$ and 12V	+7.0		
Tuning Port Capacitance, pF		1000	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMJ-532-D14			
Size	A	REV	A
Engineer: PJE 9/16/05		SHEET 2 OF 2	