



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	+5.0
DC Voltage applied to RF out	+/- 25

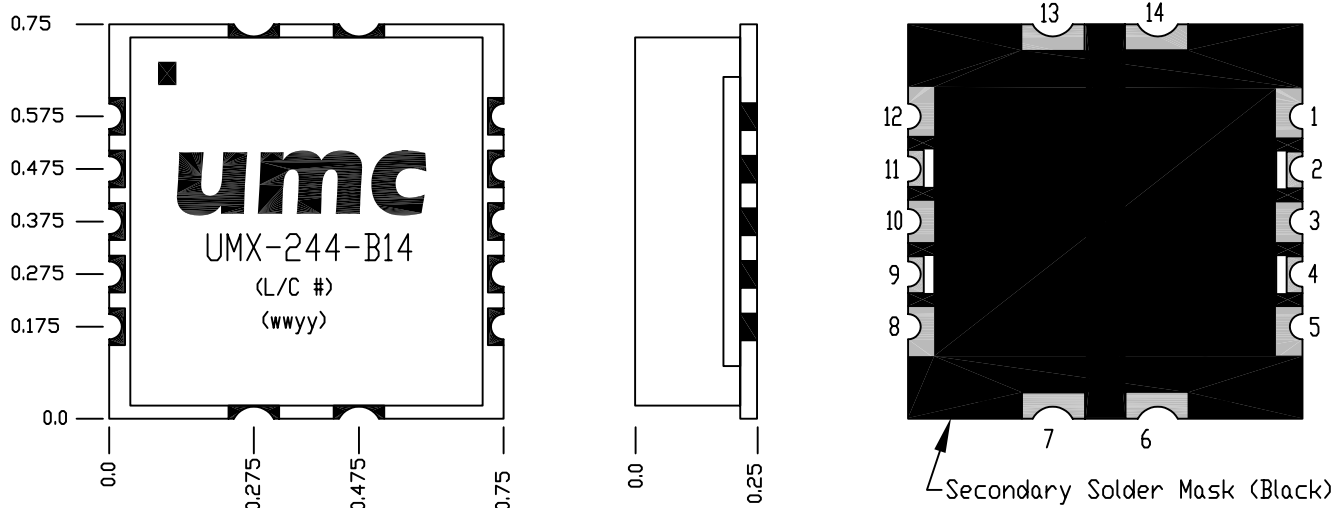


TABLE 1.2, CONTACT ASSIGNMENTS

CONTACT ASSIGNMENTS:	
2: TUNING VOLTAGE INPUT	
4: NO CONNECT	
9: RF OUTPUT	
11: DC SUPPLY 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 UMX-244-B14

Prepared by: A.BYRD 11/22/05
 Engineer:
 Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

SIZE A	FSCM NO.	DWG NO. UP-244	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz		1000	
Power Output, dBm		+7.0	
Harmonics, dBc		-15	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-107	-102
@ Offset = 10kHz		-131	-126
@ Offset = 100kHz		-151	-146
@ Offset = 1MHz		-164	-155
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.1	0.2
Pulling, MHz p-p, @12dB _r , all phases			
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		2.2	
Frequency drift with temperature:			
@ -40°C, MHz		0.5	
@ +85°C, MHz		0.5	
Supply Voltage, Vdc		+8.0	
Supply Current, mA		30	32
Output Power @ $V_t = 0$ and 5V	+5.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMX-244-B14			
Size	A	REV	A
Engineer: T.KRAUS 10/11/05		SHEET 2 OF 2	