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	+9.0
DC Voltage applied to RF out	+/- 25

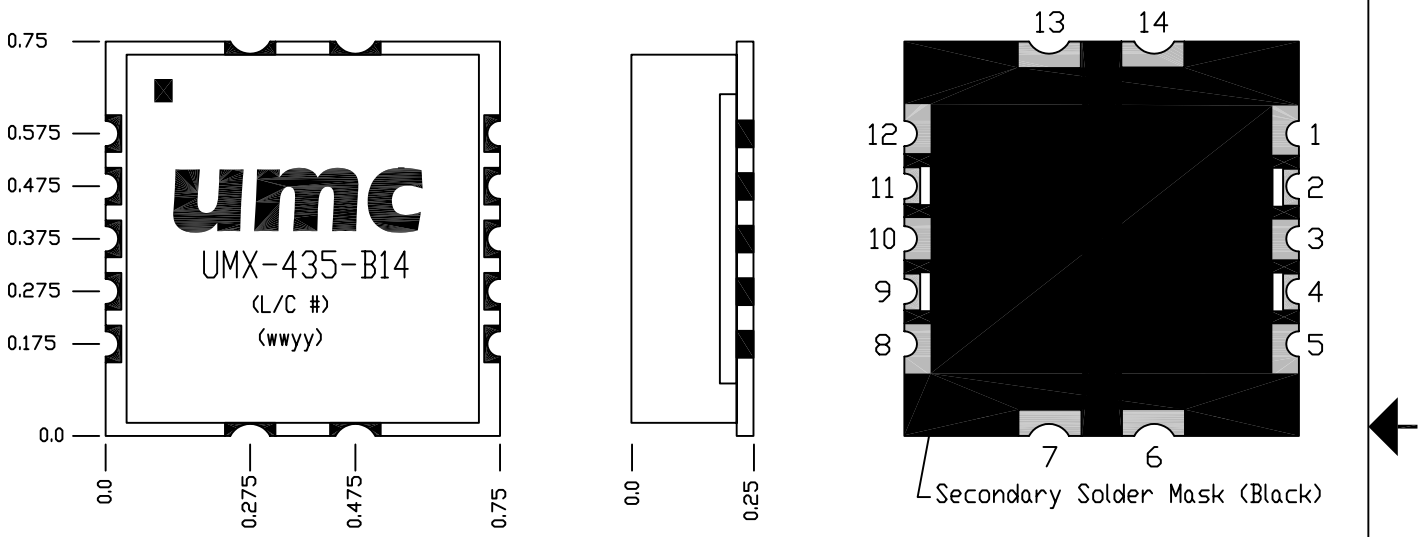

TABLE 1.2, CONTACT ASSIGNMENTS

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

Prepared by: A.BYRD 11/17/05

Engineer:

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2339 Destiny Way
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Universal Microwave Corp.

SPECIFICATION CONTROL DRAWING FOR UMX-435-B14

SIZE	FSCM NO.	DWG NO.	REV
A		UP-435	A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz		**1150**	
Power Output, dBm	**+6.0**	**+8.0**	**+10.0**
Harmonics, dBc		**-20**	**-10**
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		**-105**	**-100**
@ Offset = 10kHz		**-130**	**-125**
@ Offset = 100kHz		**-150**	**-145**
@ Offset = 1MHz		**-165**	**-160**
@ Offset = 10MHz		**-165**	**-160**
Pushing, MHz/V		**0.1**	**0.5**
Pulling, MHz p-p, @12dBr, all phases		**0.5**	**1**
Tuning Voltage, Vdc	**+1.0**		**+8.0**
Tuning Sensitivity, MHz/V		**2.0**	
Frequency drift with temperature:			
@ -40°C, MHz		**0.25**	**0.5**
@ +85°C, MHz		**0.25**	**0.5**
Supply Voltage, Vdc		**+8.0**	
Supply Current, mA		**29**	
Output Power @ V_t = 0 and 8V	**+6.0**		
Tuning Port Capacitance, pF		**47**	
3dB Modulation Bandwidth, kHz		**1000**	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING		
Drawing No. UMX-435-B14		
Size A		REV A
Engineer: A.JOHNSTON 10/11/05		SHEET 2 OF 2