



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	+10.0
DC Voltage applied to RF out	+/- 25

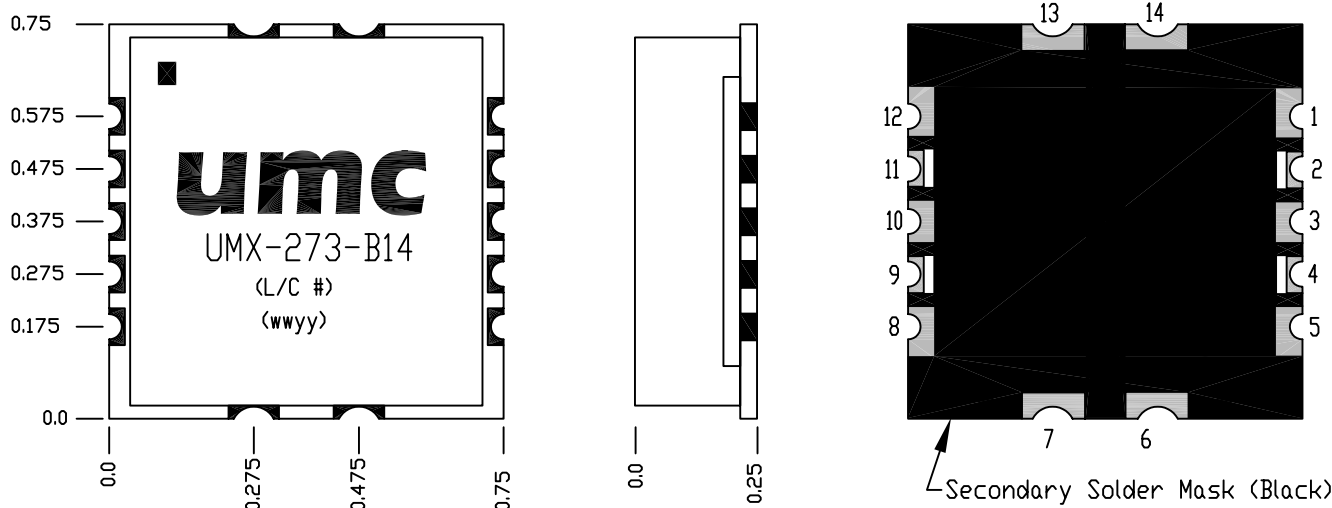


TABLE 1.2, CONTACT ASSIGNMENTS

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-273-B14

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 2339 Destiny Way  
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SIZE A	FSCM NO.	DWG NO. UP-273	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	940		958
Power Output, dBm	+4.0	+6.0	+8.0
Harmonics, dBc		-20	-12
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-102	-97
@ Offset = 10kHz		-127	-122
@ Offset = 100kHz		-147	-142
@ Offset = 1MHz		-164	-159
@ Offset = 10MHz		-164	-159
Pushing, MHz/V		0.1	0.2
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		0.3	0.5
Tuning Voltage, Vdc	+1.0		+9.0
Tuning Sensitivity, MHz/V		3.3	
Frequency drift with temperature:			
@ -40°C, MHz		1.5	
@ +85°C, MHz		1.5	
Supply Voltage, Vdc		+8.0	
Supply Current, mA		28	
Output Power @ $V_t = 0$ and 9V	+4.0		
Tuning Port Capacitance, pF		22	
3dB Modulation Bandwidth, kHz		10000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMX-273-B14			
Size	A	REV	A
Engineer: T. Kraus 9/1/03		SHEET 2 OF 2	