



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	+13.0
DC Voltage applied to RF out	+/- 25

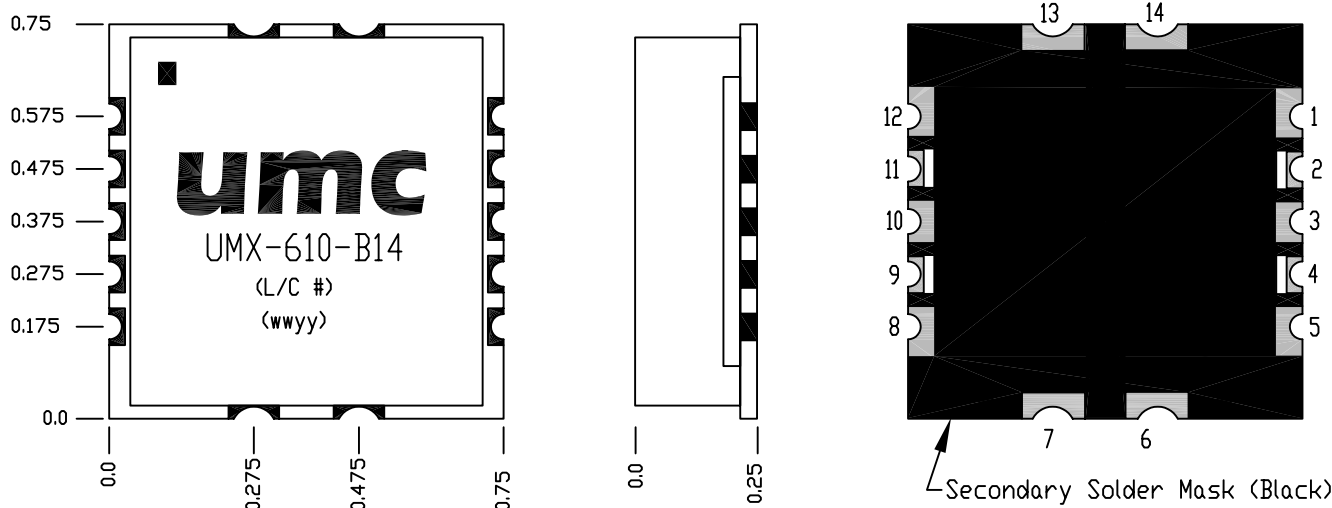


TABLE 1.2, CONTACT ASSIGNMENTS

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-610-B14

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 2339 Destiny Way
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SIZE A	FSCM NO.	DWG NO. UP-610	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	787		808
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc		-20	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-100	-95
@ Offset = 10kHz		-125	-120
@ Offset = 100kHz		-145	-140
@ Offset = 1MHz		-164	-155
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.1	0.3
Pulling, MHz p-p, @12dB _r , all phases		0.5	1
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		2.5	
Frequency drift with temperature:			
@ -40°C, MHz		1	1.5
@ +85°C, MHz		1	1.5
Supply Voltage, Vdc		+8.0	
Supply Current, mA		28	
Output Power @ $V_t = 0$ and 13V	+5.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		500	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMX-610-B14			
Size	A	REV	A
Engineer: T. Kraus 10/26/05		SHEET 2 OF 2	