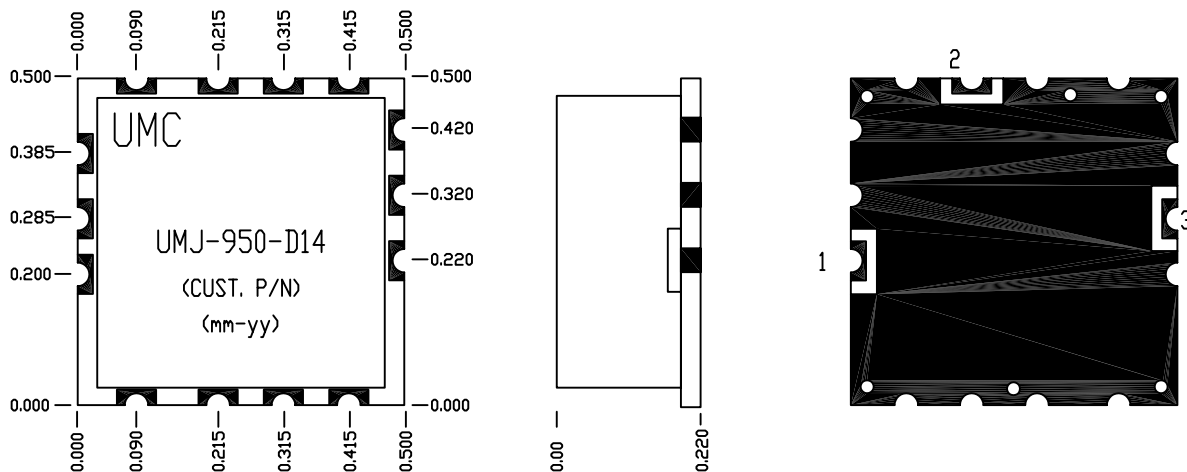




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Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+13.0
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

CONTACT ASSIGNMENTS	
1. RF OUT	
2. SUPPLY VOLTAGE	
3. TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified,  
dimensions are in inches

Universal Microwave Corporation  
Proprietary Document

Prepared by: M.BANKS 1/25/05

Engineer:

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2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.  
SPECIFICATION CONTROL  
DRAWING FOR UMJ-950-D14

SIZE A	FSCM NO.	DWG NO. UP-950	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	75		110
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-20	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-100	-95
@ Offset = 10kHz		-125	-120
@ Offset = 100kHz		-145	-140
@ Offset = 1MHz		-164	-159
@ Offset = 10MHz			
Pushing, MHz/V		0.5	0.1
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		0.5	0.1
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		3.6	
Frequency drift with temperature:			
@ -40°C, MHz		0.2	0.5
@ +85°C, MHz		0.2	0.5
Supply Voltage, Vdc		+12.0	
Supply Current, mA		15	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

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMJ-950-D14			
Size	A	REV	A
Engineer: PJE 3/4/05		SHEET 2 OF 2	