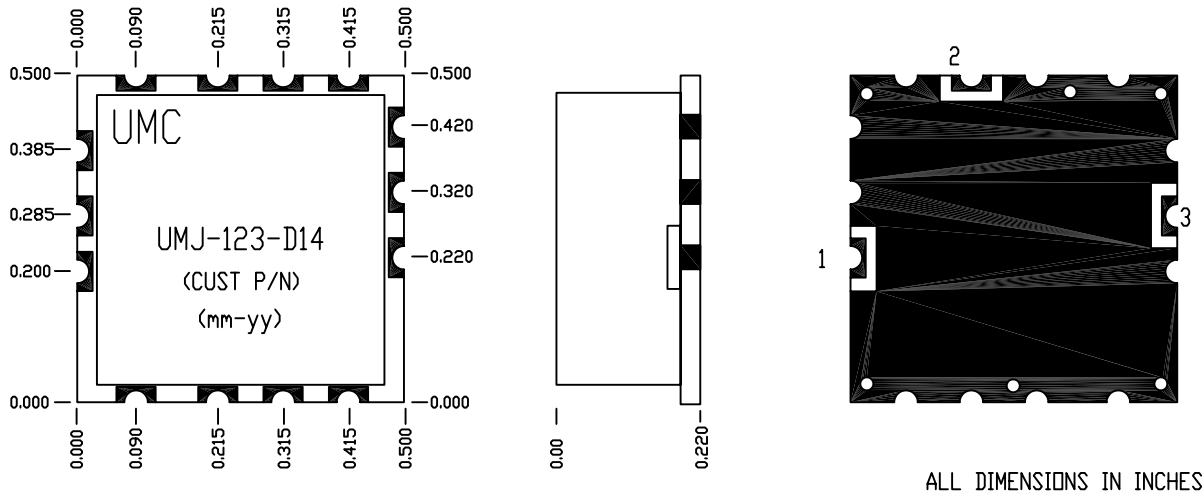




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+4.5
DC Voltage applied to RF out	+/- 25



ALL DIMENSIONS IN INCHES

TABLE 1.2, CONTACT ASSIGNMENTS

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

Unless otherwise specified,
dimensions are in inches

Universal Microwave Corporation
Proprietary Document

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Universal Microwave Corp.
SPECIFICATION CONTROL
DRAWING FOR UMJ-123-D14

SIZE A	FSCM NO.	DWG NO. UP-123	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	50		60
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-98	-93
@ Offset = 10kHz		-123	-118
@ Offset = 100kHz		-143	-138
@ Offset = 1MHz		-163	-155
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.2	0.5
Pulling, MHz p-p, @12dB _r , all phases		0.5	1
Tuning Voltage, Vdc	+1.0		+4.0
Tuning Sensitivity, MHz/V		4	
Frequency drift with temperature:			
@ -40°C, MHz		0.2	
@ +85°C, MHz		0.2	
Supply Voltage, Vdc		+5.0	
Supply Current, mA		18	
Output Power @ $V_t = 0$ and 5V	+5.0		
Tuning Port Capacitance, pF		1000	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMJ-123-D14			
Size	A	REV	A
Engineer: PJE 5/2/05		SHEET 2 OF 2	