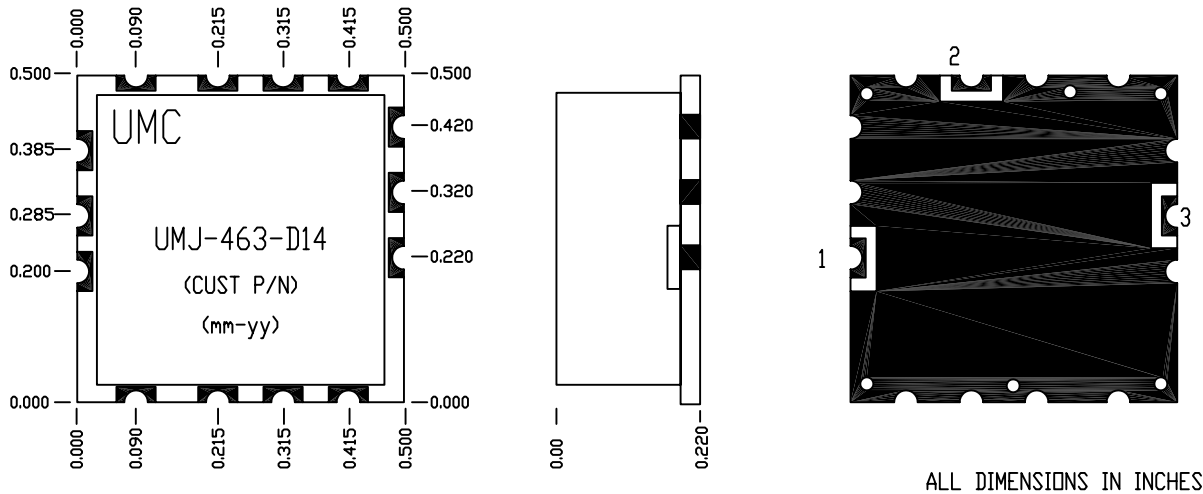


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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.5
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

Prepared by: M.BANKS 8/13/04

Engineer:

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2339 Destiny Way
Dolessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-463-D14

SIZE
A

FSCM NO.

DWG NO.

UP-463

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz		160	
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-25	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-97	-92
@ Offset = 10kHz		-122	-117
@ Offset = 100kHz		-142	-137
@ Offset = 1MHz		-162	-157
@ Offset = 10MHz			
Pushing, MHz/V		.2	.4
Pulling, MHz p-p, @12dBr, all phases		.2	.4
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		5.0	
Frequency drift with temperature:			
@ -40°C, MHz		1.5	3.0
@ +85°C, MHz		1.5	3.0
Supply Voltage, Vdc		+5.0	
Supply Current, mA		15	
Output Power @ $V_t = 0$ and 5V	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMJ-463-D14			
Size	A	REV	A
Engineer: PJE		SHEET 2 OF 2	