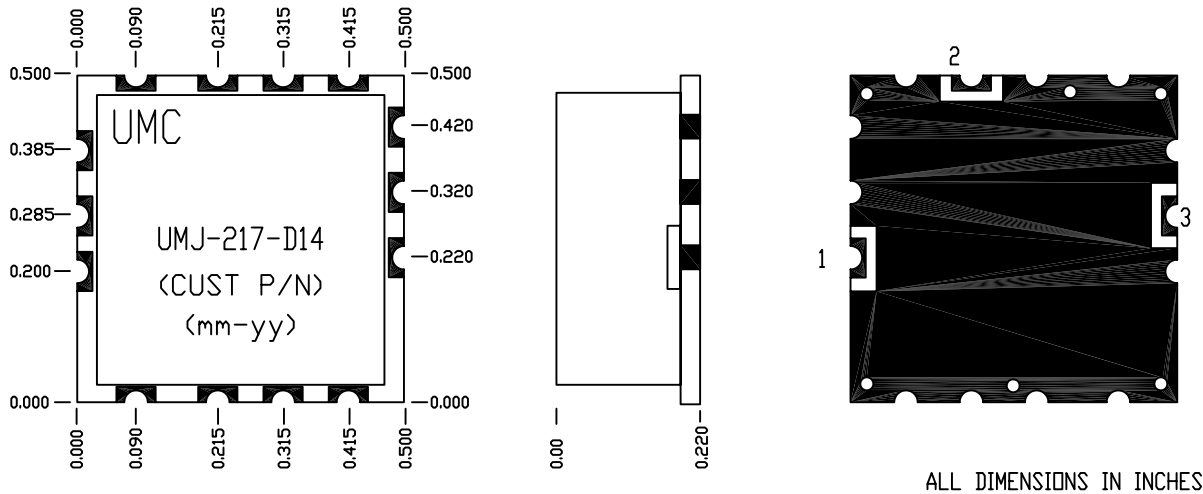




CONFIDENTIAL

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	+5.5
Vtune Voltage, Vdc	+11.0
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 12/1/04

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Dolessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-217-D14

SIZE
A

FSCM NO.

DWG NO.

UP-217

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	9.5	10.0	10.5
Power Output, dBm	+8.0	+10.0	+12.0
Harmonics, dBc		-20	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 100Hz		-85	-80
@ Offset = 1 kHz		-115	-110
@ Offset = 10 kHz		-140	-135
@ Offset = 100KHz		-160	-155
Pushing, MHz/V		.01	.05
Pulling, MHz p-p, @12dB _r , all phases		.04	.1
Tuning Voltage, Vdc	+1.0		+10.0
Tuning Sensitivity, MHz/V		.2	
Frequency drift with temperature:			
@ -40°C, MHz		0.1	.2
@ +85°C, MHz		0.1	.2
Supply Voltage, Vdc		+5.0	
Supply Current, mA		15	
Output Power @ $V_t = 0$	+8.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		20	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMJ-217-D16			
Size	A	REV	A
Engineer: PJE 12-08-04		SHEET 2 OF 2	