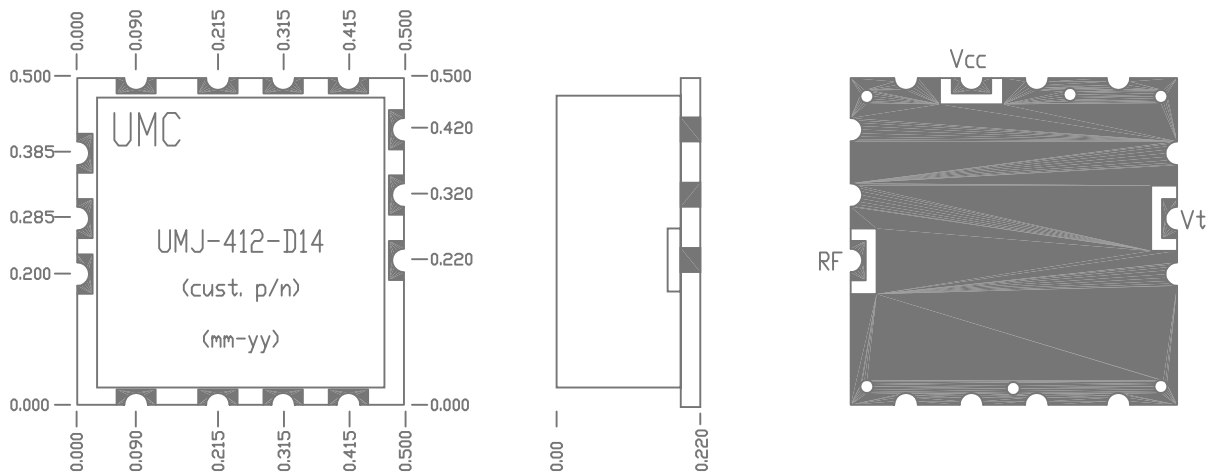


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+6
Vtune Voltage, Vdc	+6
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF Out	
2: Vcc	
3: V-tune	
All other contacts are Ground	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches File = /P412/SOURCE/SCD1.DWG	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMJ-412-D14			
Prepared by: Jan Adams    Date: 6-25-02	SIZE A	FSCM NO.	DWG NO. UP-412	REV X
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	SHEET		

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	370		380
Power Output, dBm	+5	+7	+9
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-92	-87
@ Offset = 10kHz	--	-118	-113
@ Offset = 100kHz	--	-138	-133
@ Offset = 1MHz	--	-158	-153
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.4	1
Pulling, MHz p-p, @12dBm, all phases	--	2	5
Tuning Voltage, Vdc	0.5	--	4.5
Tuning Sensitivity, MHz/V	--	10	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	3	--
@ +85 degrees C, MHz	--	3	--
Supply Voltage, Vdc	--	5	--
Supply Current, mAdc	--	18	--
Output Power @ Vtune = 0 and 5V	+4	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,  
dimensions are in inches  
File = /P412/SOURCE/SCD.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMJ-412-D14

Prepared by: Jan Adams Date: 6-25-02

SIZE  
A

FSCM NO.

DWG NO.

UP-412

REV  
X

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

SCALE

SHEET