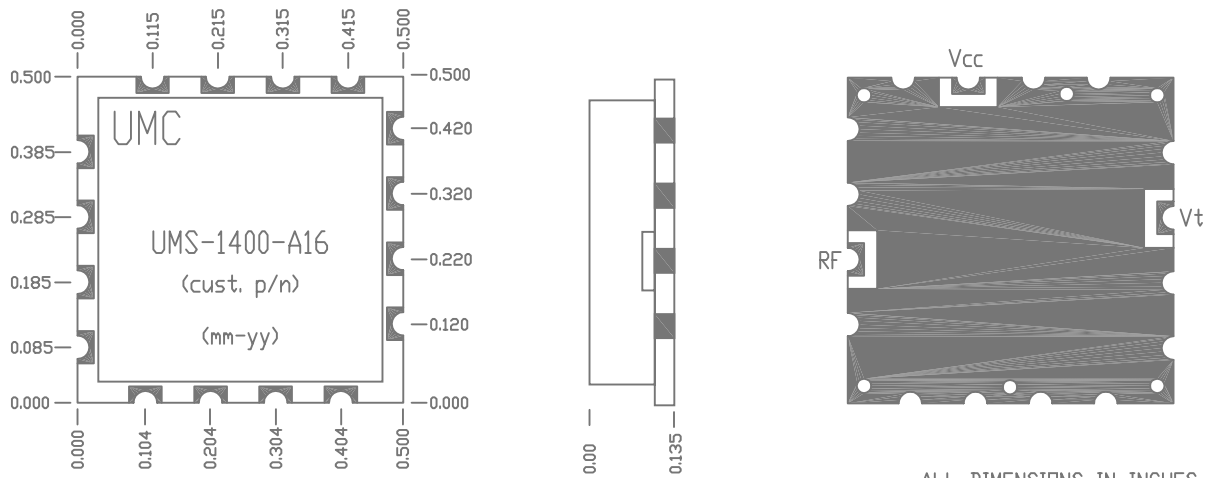


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13
Vtune Voltage, Vdc	+15
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 = /P305/SOURCE/SCD1.DWG	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMS-1400-A16			
Prepared by: Jan Adams Date: 04-09-02	SIZE A	FSCM NO.	DWG NO. UP-305	REV X
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE		SHEET	



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	700		1400
Power Output, dBm	+9.5	+12	+13.5
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-82	-75
@ Offset = 10kHz	--	-104	-98
@ Offset = 100kHz	--	-124	-118
@ Offset = 1MHz	--	-144	-138
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.2	1
Pulling, MHz p-p, @12dB _r , all phases	--	8	20
Tuning Voltage, Vdc	0.5		14
Tuning Sensitivity, MHz/V	--	65	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	15	25
@ +85 degrees C, MHz	--	15	25
Supply Voltage, Vdc	--	12	--
Supply Current, mA _{dc}	--	29	--
Output Power @ V _{tune} = 0 and 14V	+9	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	10000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches
File = /P305/SOURCE/SCD.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-1400-A16

Prepared by: Jan Adams Date: 04-09-02

SIZE
A

FSCM NO.

DWG NO.

UP-305

REV
X

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

SCALE

SHEET

