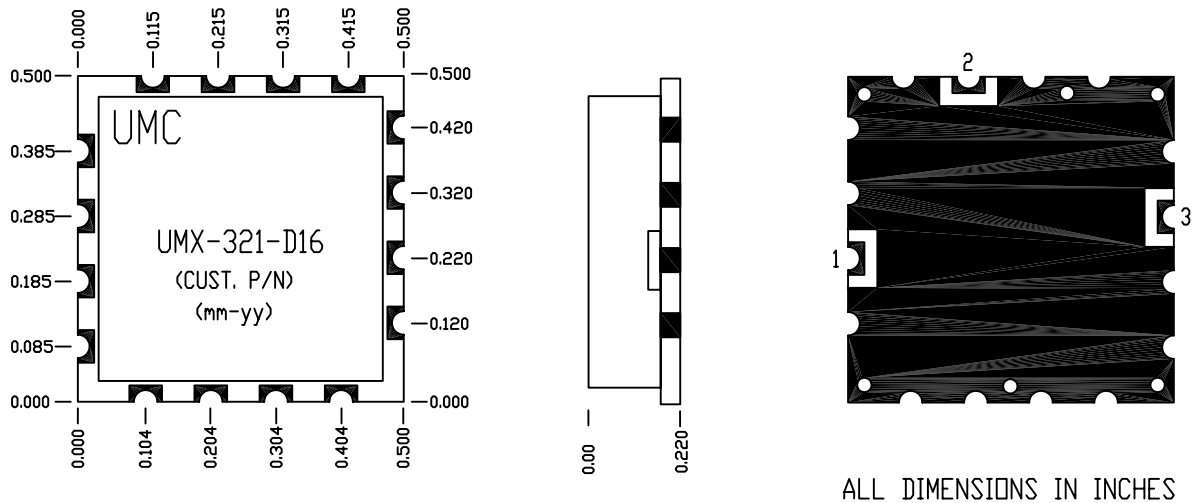


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+7.0
Vtune Voltage, Vdc	+15.0
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 Information

Prepared by: M.BANKS 5/24/04  
Engineer:

Universal Microwave Corporation  
2339 Destiny Way  
Dadeville, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMX-321-D16

SIZE  
A

FSCM NO.

DWG NO.

UP-321

REV  
A

SCALE N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	1850	--	2050
Power Output, dBm	+3.0	+5.0	+7.0
Harmonics, dBc	--	-18	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-82	-79
@ Offset = 10kHz	--	-107	-104
@ Offset = 100kHz	--	-127	-124
@ Offset = 1MHz	--	-157	-150
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.3	0.8
Pulling, MHz p-p, @12dBr, all phases	--	0.5	1
Tuning Voltage, Vdc	+1.0		+14.0
Tuning Sensitivity, MHz/V	--	30	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	4	--
@ +85 degrees C, MHz	--	4	--
Supply Voltage, Vdc	--	+6.0	--
Supply Current, mA <sub>dc</sub>	--	27	--
Output Power @ V <sub>tune</sub> = 0 and 14V	+3.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMX-321-D16		
Universal Microwave Corporation Proprietary Information	SIZE A	FSCM NO.	DWG NO. UP-321
Prepared by: M.BANKS 5/24/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2