

CONFIDENTIAL

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	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

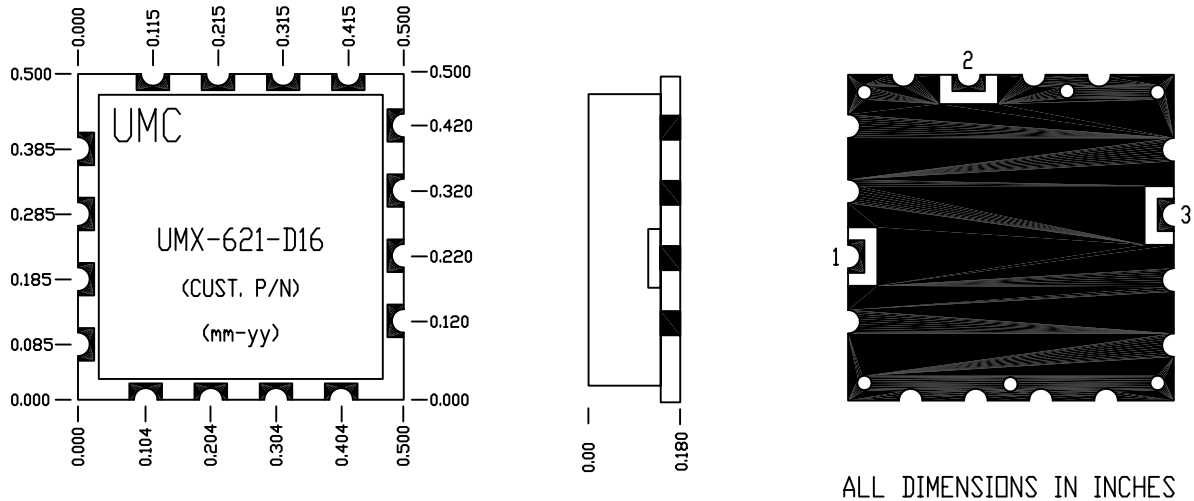


TABLE 1.2, CONTACT ASSIGNMENTS

CONTACT ASSIGNMENTS:	
1: RF OUT	
2: SUPPLY INPUT	
3: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

Unless otherwise specified, dimensions are in inches	<h2 style="margin: 0;">Universal Microwave Corp.</h2>		
Universal Microwave Corporation Proprietary Document	<h3 style="margin: 0;">SPECIFICATION CONTROL DRAWING FOR UMX-621-D16</h3>		
Prepared by: M.Banks 4/24/03	SIZE A	FSCM NO.	DWG NO. UP-621
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	DATE: 4/24/03	SHEET 1 OF 2
		REV A	

	MIN.	TYP.	MAX.
Frequency, MHz	--	1248	1821
Power Output, dBm	+4.0	+7.0	+10.0
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-100	-95
@ Offset = 10kHz	--	-125	-121
@ Offset = 100kHz	--	-145	-141
@ Offset = 1MHz	--	-164	-159
@ Offset = 10MHz	--	-164	-159
Pushing, MHz/V	--	0.1	0.4
Pulling, MHz p-p, @12dB _r , all phases	--	1.0	1.5
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	3.5	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	1.0	2.0
@ +85 degrees C, MHz	--	1.0	2.0
Supply Voltage, Vdc	--	5.0	--
Supply Current, mA _{dc}	--	24	--
Output Power @ V _{tune} = 0 and 5V	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.		
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