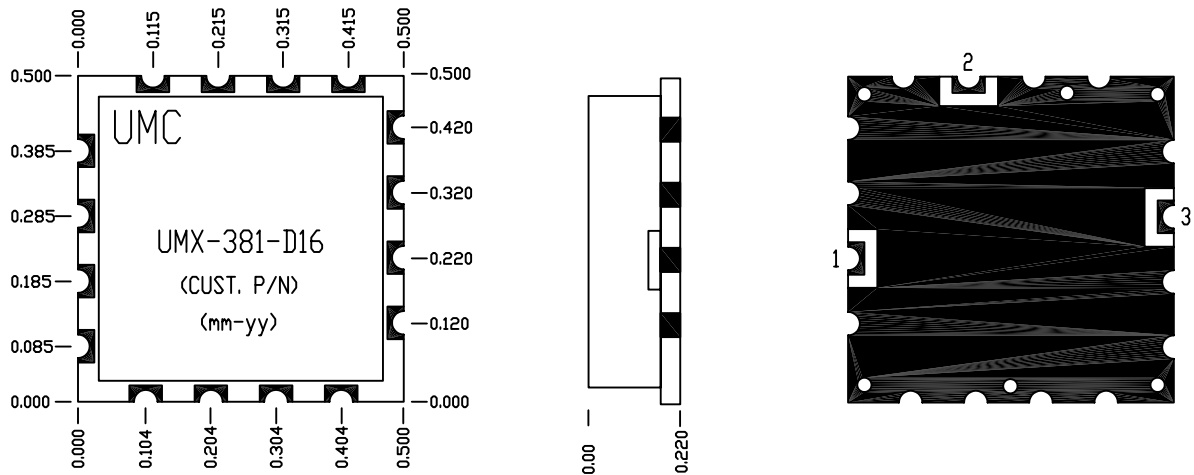


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+7.0
Vtune Voltage, Vdc	+13.0
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 8/29/04

Engineer:

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Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMX-381-D16

SIZE  
A

FSCM NO.

DWG NO.

UP-381

REV  
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	1900		2100
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc		-20	-10
<b>SSB Phase Noise, dBc/Hz:</b>			
@ Offset = 1kHz		-85	-80
@ Offset = 10kHz		-110	-105
@ Offset = 100kHz		-130	-125
@ Offset = 1MHz		-150	-145
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.3	1
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		1	2
Tuning Voltage, Vdc	0		+12.0
Tuning Sensitivity, MHz/V		20	
<b>Frequency drift with temperature:</b>			
@ -40°C, MHz		3	
@ +85°C, MHz		4	
Supply Voltage, Vdc		+6.0	
Supply Current, mA		27	
Output Power @ $V_t = 0$ and 12V	+5.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMX-381-D16			
Size	A	REV	A
Engineer: T. Kraus 7/28/04		SHEET 2 OF 2	