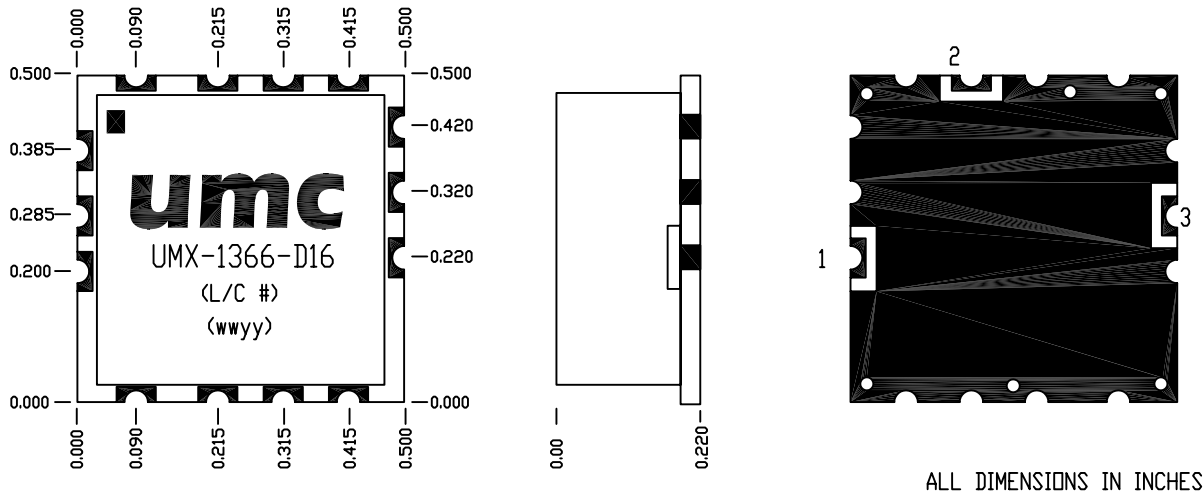




CONFIDENTIAL

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	+5.5
Vtune Voltage, Vdc	+5.0
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
 TOLERANCES
 .X =+/- .1
 .XX =+/- .01
 .XXX =+/- .005
 ANG =+/- 2°
 Universal Microwave Corporation
 Proprietary Document

Universal Microwave Corp.
 SPECIFICATION CONTROL
 DRAWING FOR UMX-1366-D16

Prepared by: A.BYRD 6/24/05
 Engineer:
 Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

SIZE A	FSCM NO.	DWG NO. UP-1366	REV A
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz		1800	
Power Output, dBm	+ 6.0	+8.0	+10.0
Harmonics, dBc		-12	-8
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-100	-95
@ Offset = 10kHz		-125	-120
@ Offset = 100kHz		-145	-140
@ Offset = 1MHz		-164	-155
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.1	0.4
Pulling, MHz p-p, @12dB _r , all phases		0.2	0.4
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		2.5	
Frequency drift with temperature:			
@ -40°C, MHz		1.5	
@ +85°C, MHz		1.5	
Supply Voltage, Vdc		+5.0	
Supply Current, mA		28	
Output Power @ $V_t = 0$	+6.0		
Tuning Port Capacitance, pF		60	
3dB Modulation Bandwidth, kHz		5000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMX-1366-D16			
Size	A		REV A
Engineer: A.Johnston 6/24/05		SHEET 2 OF 2	