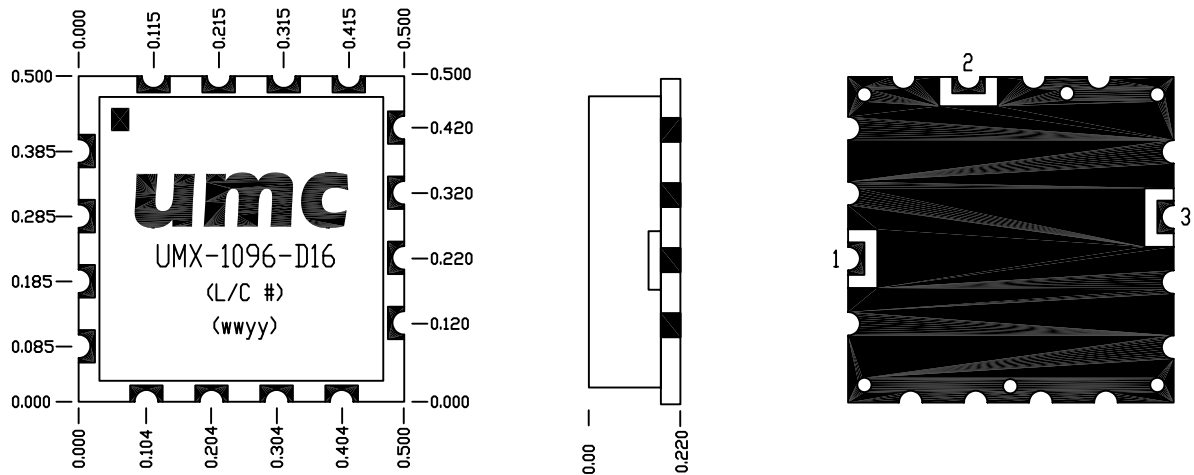




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+12.0
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 =+/-0.1  
 .XX =+/-0.01  
 .XXX =+/-0.005  
 ANG =+/-2°  
 Universal Microwave Corporation  
 Proprietary Information  
 Prepared by: A.BYRD 8/1/05  
 Engineer:  
 Universal Microwave Corporation  
 2339 Destiny Way  
 Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
 DRAWING FOR UMX-1096-D16

SIZE A	FSCM NO.	DWG NO. UP-1096	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz		1469.25	
Power Output, dBm	+2.0	+4.0	+6.0
Harmonics, dBc		-15	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-100	-95
@ Offset = 10kHz		-125	-120
@ Offset = 100kHz		-145	-140
@ Offset = 1MHz		-164	-155
@ Offset = 10MHz			
Pushing, MHz/V		0.1	0.2
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		1.0	2.0
Tuning Voltage, Vdc	+1.0		+11.0
Tuning Sensitivity, MHz/V		2	
Frequency drift with temperature:			
@ -40°C, MHz		1.5	
@ +85°C, MHz		1.5	
Supply Voltage, Vdc		+5.0	
Supply Current, mA		27	30
Output Power @ $V_t = 0$ and 11V	+2.0		
Tuning Port Capacitance, pF		68	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMX-1096-D16			
Size	A	REV	A
Engineer: T.KRAUS 8/1/05		SHEET 2 OF 2	