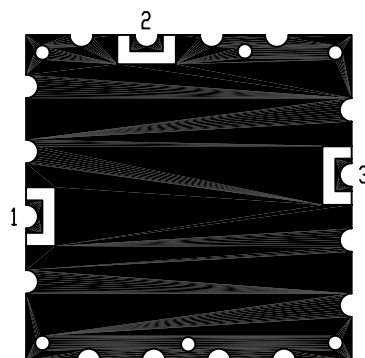
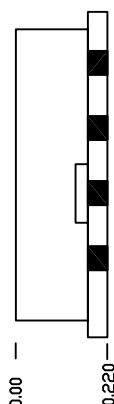
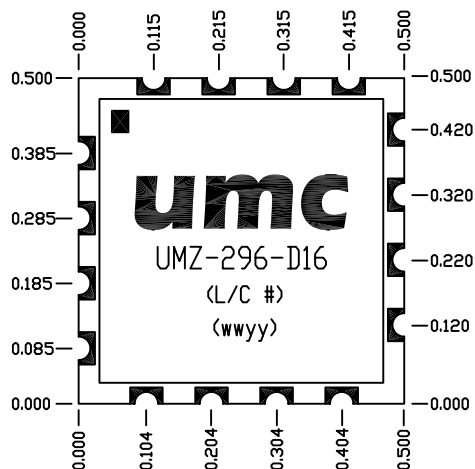




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+11.0
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  
TOLERANCES  
.X = +/- .1  
.XX = +/- .01  
.XXX = +/- .005  
ANG = +/- 2°  
Universal Microwave Corporation  
Proprietary Information  
Prepared by: A.BYRD 8/29/05  
Engineer:  
Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMZ-296-D16

SIZE A	FSCM NO.	DWG NO. UP-296	REV B
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	2500		3200
Power Output, dBm	+5.5	+8.0	+10.5
Harmonics, dBc		-20	-13
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-73	-68
@ Offset = 10kHz		-98	-93
@ Offset = 100kHz		-118	-113
@ Offset = 1MHz		-138	-133
Pushing, MHz/V		1.0	2.0
Pulling, MHz p-p, @12dBr, all phases		5.0	10.0
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		70	
Frequency drift with temperature:			
@ -40°C, MHz		15	
@ +85°C, MHz		15	
Supply Voltage, Vdc		+10.0	
Supply Current, mA		25	
Output Power @ $V_t = 0$	+5.5		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-296-D16			
Size	A	REV	B
Engineer: PJE 8/29/05		SHEET 2 OF 2	