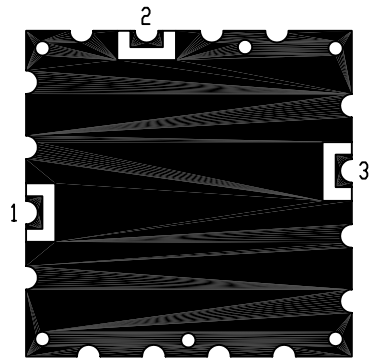
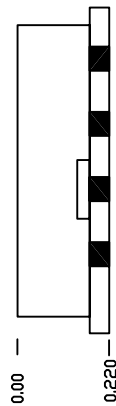
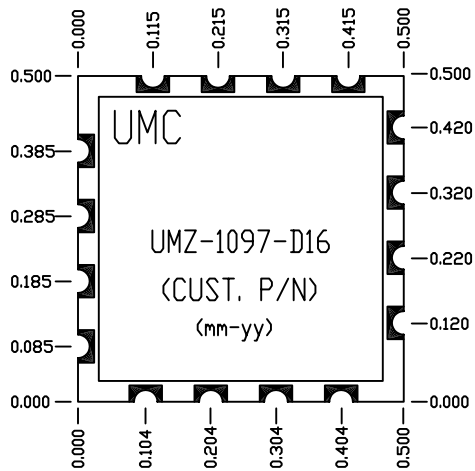


CONFIDENTIAL

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	+11.0
Vtune Voltage, Vdc	+10.5
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 2/26/04

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-1097-D16

SIZE
A

FSCM NO.

DWG NO.

UP-1097

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	1000	--	1400
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-75	-70
@ Offset = 10kHz	--	-102	-97
@ Offset = 100kHz	--	-122	-117
@ Offset = 1MHz	--	-142	-137
@ Offset = 10MHz	--	-162	-155
Pushing, MHz/V	--	0.5	2
Pulling, MHz p-p, @12dBr, all phases	--	5	10
Tuning Voltage, Vdc	+0.5		+9.5
Tuning Sensitivity, MHz/V	--	90	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	14	20
@ +85 degrees C, MHz	--	14	20
Supply Voltage, Vdc	--	+10.0	--
Supply Current, mAdc	--	25	--
Output Power @ Vtune = 0 and 10V	+7.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches

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SHEET 2 OF 2