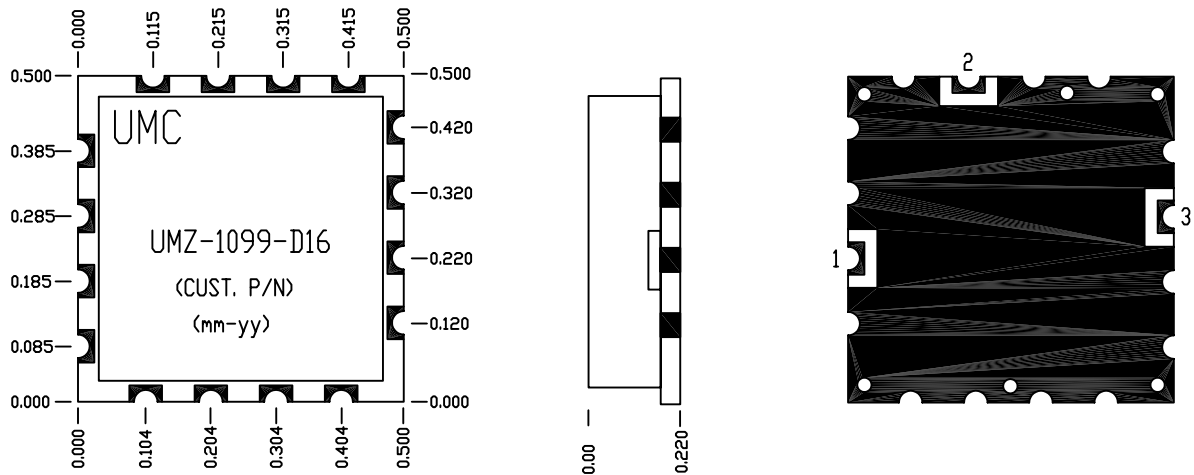


CONFIDENTIAL

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	+3.5
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

Universal Microwave Corporation
Proprietary Document

Prepared by: M.BANKS 3/11/04

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Dadeville, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL DRAWING FOR UMZ-1099-D16

SIZE
A

FSCM NO.

DWG NO.

UP-1099

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	676		716
Power Output, dBm	0	+2.0	+4.0
Harmonics, dBc	--	-13	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-83	-78
@ Offset = 10kHz	--	-108	-103
@ Offset = 100kHz	--	-128	-123
@ Offset = 1MHz	--	-148	-143
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.5	1
Pulling, MHz p-p, @12dBr, all phases	--	0.5	1
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V	--	15	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2.5	5
@ +85 degrees C, MHz	--	2.5	5
Supply Voltage, Vdc	--	+3.0	--
Supply Current, mAdc	--	9	10
Output Power @ Vtune = 0 and 4.5V	0	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-1099-D16		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-1099
Prepared by: M.BANKS 3/11/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 1 OF 2