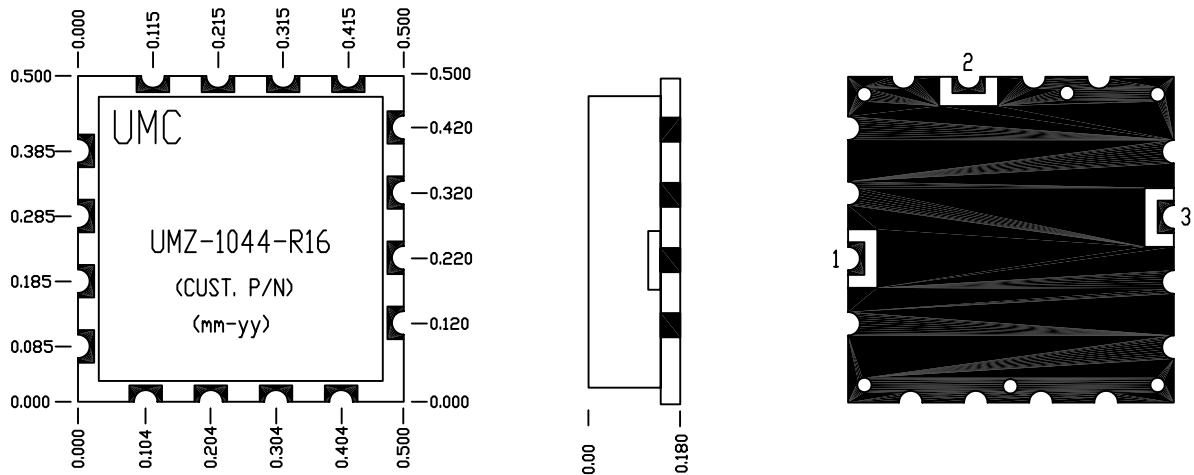


CONFIDENTIAL

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	+5.25
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 2/10/04

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Dadeville, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL DRAWING FOR UMZ-1044-R16

SIZE
A

FSCM NO.

DWG NO.

UP-1044

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	390		406
Power Output, dBm	-2.0	0	+2.5
Harmonics, dBc	--	-14	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-98	-93
@ Offset = 10kHz	--	-122	-117
@ Offset = 100kHz	--	-142	-137
@ Offset = 1MHz	--	-162	-155
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.1	0.2
Pulling, MHz p-p, @12dB _r , all phases	--	0.1	0.2
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V	--	8	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	1	--
@ +85 degrees C, MHz	--	1	--
Supply Voltage, Vdc	--	+4.75	--
Supply Current, mA _{dc}	--	15	--
Output Power @ V _{tune} = 0 and 5V	-2.5	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches

Universal Microwave Corporation
Proprietary Document

Prepared by: M.BANKS 2/10/04

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-1044-R16

SIZE A	FSCM NO.	DWG NO. UP-1044	REV A
SCALE: N/A		SHEET 1 OF 2	