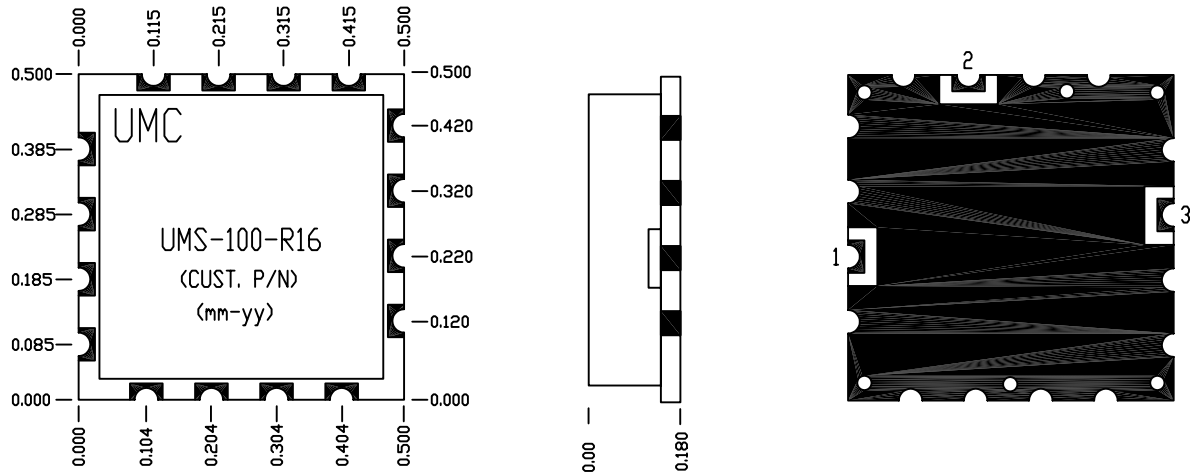




CONFIDENTIAL

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	+13.0
Vtune Voltage, Vdc	+16.0
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 Information

Prepared by: M.BANKS 1/27/05
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-100-R16

SIZE A	FSCM NO.	DWG NO. UP-488	REV A
-----------	----------	-------------------	----------

SCALE N/A	SHEET 1 OF 2
-----------	--------------

	MIN.	TYP.	MAX.
Frequency, MHz	50		100
Power Output, dBm	+7.0	+9.5	+12.0
Harmonics, dBc		-30	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-80	-75
@ Offset = 10kHz		-105	-100
@ Offset = 100kHz		-125	-120
@ Offset = 1MHz		-145	-140
@ Offset = 1MHz		-160	-155
Pushing, MHz/V		0.1	0.5
Pulling, MHz p-p, @12dB _r , all phases		1	2
Tuning Voltage, Vdc	+1.0		+15.0
Tuning Sensitivity, MHz/V		4.5	
Frequency drift with temperature:			
@ -40°C, MHz		0.5	1
@ +85°C, MHz		0.5	1
Supply Voltage, Vdc		+12.0	
Supply Current, mA		16	
Output Power @ V _t = 0 and 15	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMS-100-R16			
Size	A	REV	A
Engineer:	PJE 1/27/05	SHEET 2 OF 2	