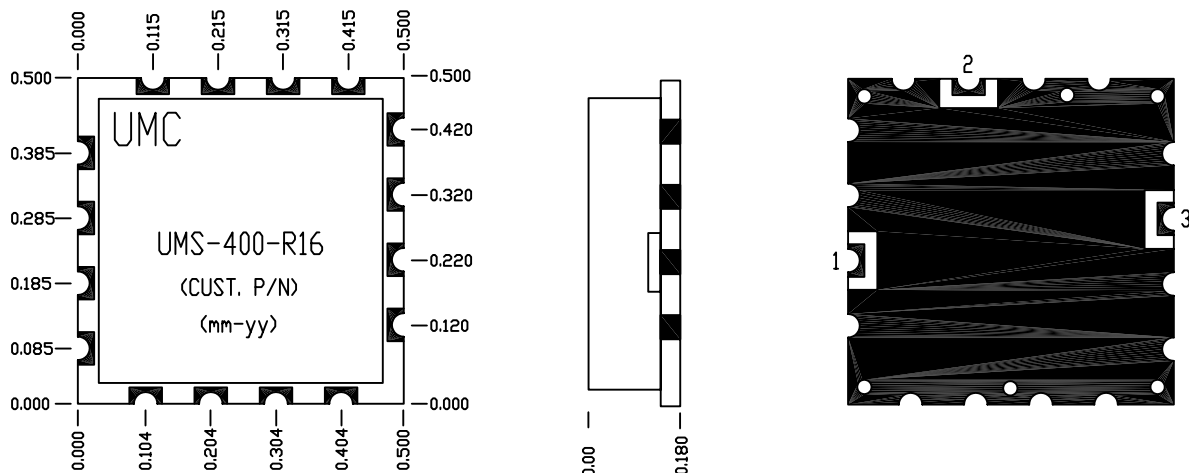




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+17.0
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 1/27/05

Engineer:

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Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-400-R16

SIZE
A

FSCM NO.

DWG NO.

UP-365

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	200		400
Power Output, dBm	+8.0	+11.0	+13.0
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-77	-72
@ Offset = 10kHz		-102	-97
@ Offset = 100kHz		-122	-117
@ Offset = 1MHz		-142	-137
@ Offset = 10MHz		-162	-150
Pushing, MHz/V		0.3	0.6
Pulling, MHz p-p, @12dB _r , all phases		2	4
Tuning Voltage, Vdc	+1.0		+16.0
Tuning Sensitivity, MHz/V		15	
Frequency drift with temperature:			
@ -40°C, MHz		3	6
@ +85°C, MHz		3	6
Supply Voltage, Vdc		+12.0	
Supply Current, mA		20	
Output Power @ $V_t = 0$ and 16V	+5.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMS-400-R16			
Size	A	REV	A
Engineer: T. Kraus 1/27/05		SHEET 2 OF 2	