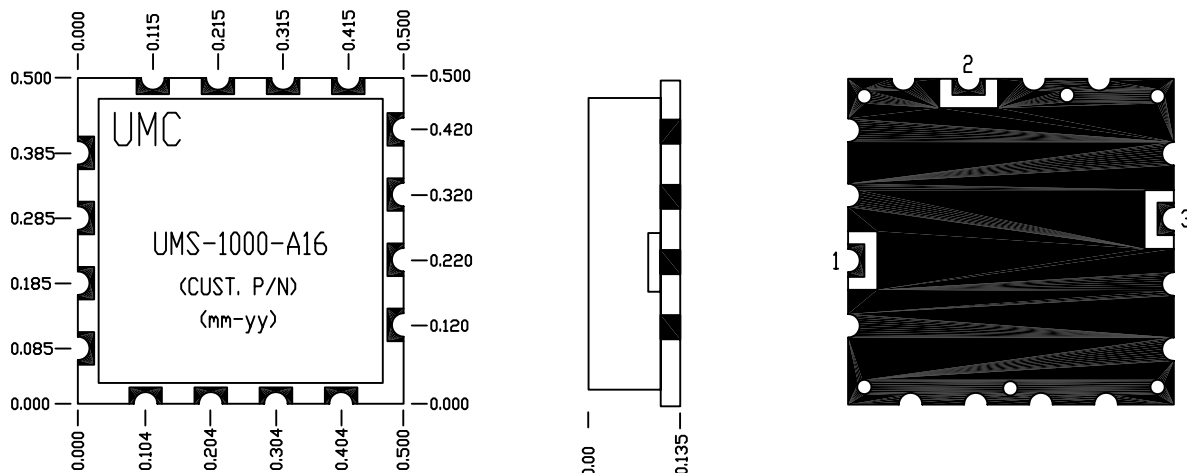




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+12.0
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 2/22/05
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-1000-A16

SIZE
A

FSCM NO.

DWG NO.

UP-459

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	500		1000
Power Output, dBm	+7.5	+10.0	+12.5
Harmonics, dBc		-20	-12
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-78	-73
@ Offset = 10kHz		-103	-97
@ Offset = 100kHz		-123	-117
@ Offset = 1MHz		-143	-137
@ Offset = 10MHz		-163	-155
Pushing, MHz/V		0.3	0.6
Pulling, MHz p-p, @12dB _r , all phases		5	10
Tuning Voltage, Vdc	+0.5		+11.0
Tuning Sensitivity, MHz/V		55	
Frequency drift with temperature:			
@ -40°C, MHz		6	10
@ +85°C, MHz		6	10
Supply Voltage, Vdc		+12.0	
Supply Current, mA		29	
Output Power @ $V_t = 0$ and 11V	+6.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		5000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMS-1000-A16			
Size	A	REV	A
Engineer: T.Kraus 3-29-04		SHEET 2 OF 2	