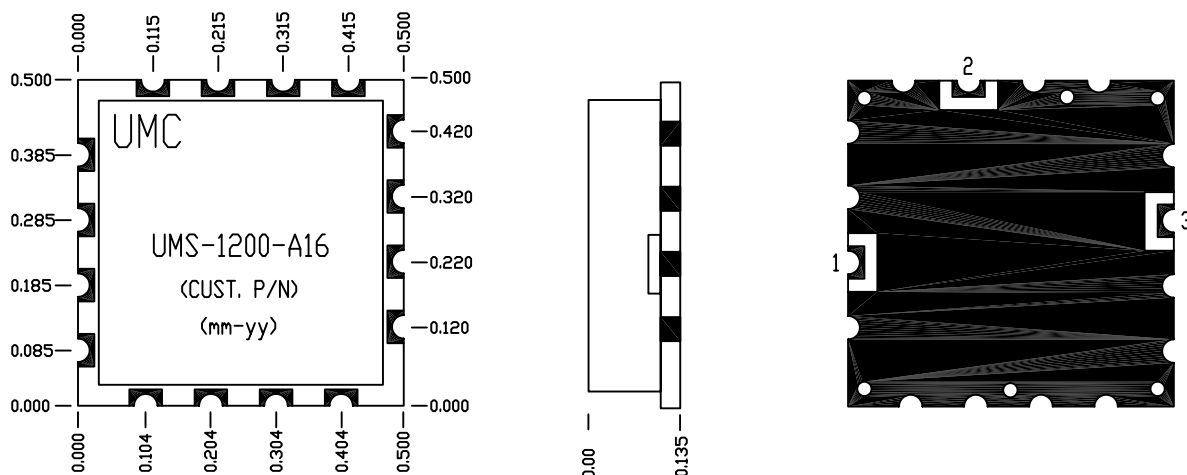




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+13.0
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 2/21/05

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-1200-A16

SIZE
A

FSCM NO.

DWG NO.

UP-304

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	600		1200
Power Output, dBm	+9.5	+12.0	+13.5
Harmonics, dBc		-20	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-82	-75
@ Offset = 10kHz		-104	-99
@ Offset = 100kHz		-124	-119
@ Offset = 1MHz		-144	-139
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.2	1
Pulling, MHz p-p, @12dB _r , all phases		5	15
Tuning Voltage, Vdc	+0.5		+12.0
Tuning Sensitivity, MHz/V		60	
Frequency drift with temperature:			
@ -40°C, MHz		15	25
@ +85°C, MHz		15	25
Supply Voltage, Vdc		+12.0	
Supply Current, mA		29	
Output Power @ $V_t = 0$ and 12V	+9.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		10000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMS-1200-A16			
Size	A	REV	A
Engineer: D.LYLE 2/21/05		SHEET 2 OF 2	