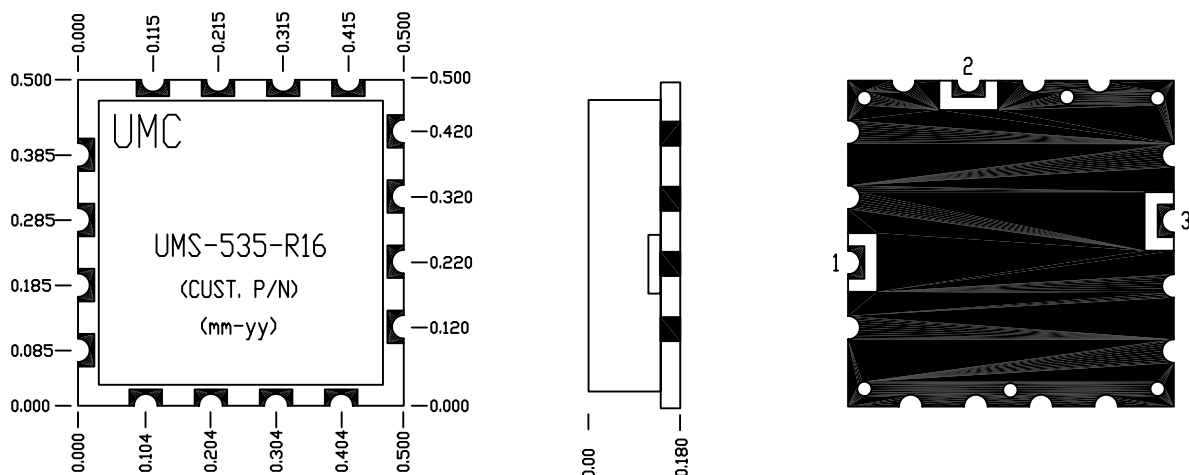




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+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 Document

Prepared by: M.BANKS 1/27/05

Engineer:

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Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-535-R16

SIZE
A

FSCM NO.

DWG NO.

UP-492

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	300		535
Power Output, dBm	+7.5	+10.0	+12.5
Harmonics, dBc		-30	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-75	-70
@ Offset = 10kHz		-100	-95
@ Offset = 100kHz		-120	-115
@ Offset = 1MHz		-140	-135
@ Offset = 10MHz		-160	-150
Pushing, MHz/V		0.3	1
Pulling, MHz p-p, @12dB _r , all phases		2	4
Tuning Voltage, Vdc	+1.0		+15.0
Tuning Sensitivity, MHz/V		22	
Frequency drift with temperature:			
@ -40°C, MHz		2	4
@ +85°C, MHz		2	4
Supply Voltage, Vdc		+12.0	
Supply Current, mA		18	
Output Power @ $V_t = 0$ and 15V	+6.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMS-535-R16			
Size	A	REV	A
Engineer: T. Kraus 1/27/05		SHEET 2 OF 2	