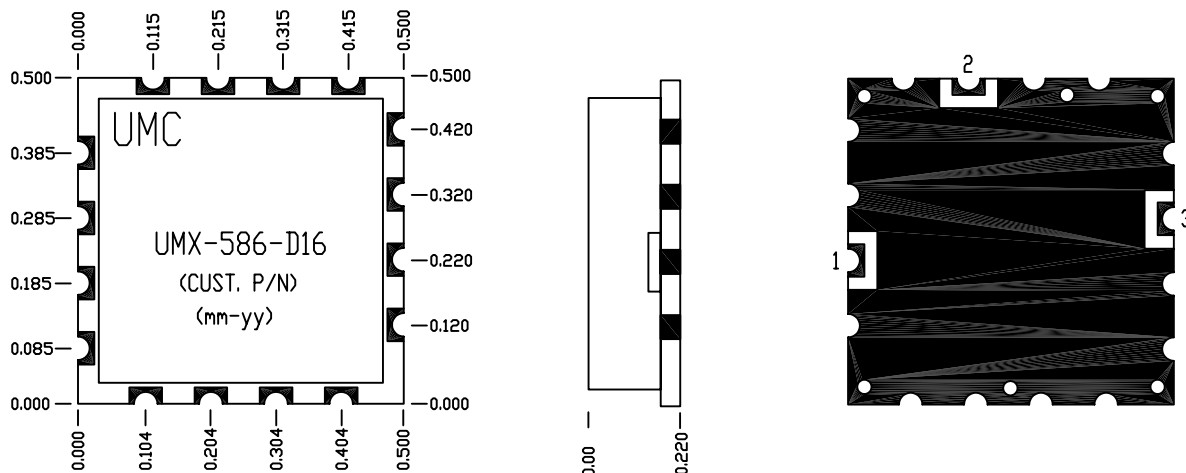




CONFIDENTIAL

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	+7.0
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 6/21/04
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMX-586-D16

SIZE A	FSCM NO.	DWG NO. UP-586	REV A
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SCALE N/A	SHEET 1 OF 2
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	MIN.	TYP.	MAX.
Frequency, MHz	1700		2100
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc		-15	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-83	-77
@ Offset = 10kHz		-108	-103
@ Offset = 100kHz		-128	-123
@ Offset = 1MHz		-148	-143
@ Offset = 10MHz		-164	-155
Pushing, MHz/V		0.3	1.0
Pulling, MHz p-p, @12dB _r , all phases		1.0	2.0
Tuning Voltage, Vdc	+0.0		+15
Tuning Sensitivity, MHz/V		33	
Frequency drift with temperature:			
@ -40°C, MHz		5.2	
@ +85°C, MHz		5.2	
Supply Voltage, Vdc		+6.0	
Supply Current, mA		27	
Output Power @ $V_t = 0$ and 15V	+5.0		
Tuning Port Capacitance, pF		10	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMX-586-D16			
Size	A	REV	A
Engineer: T. Kraus 6/15/04		SHEET 2 OF 2	