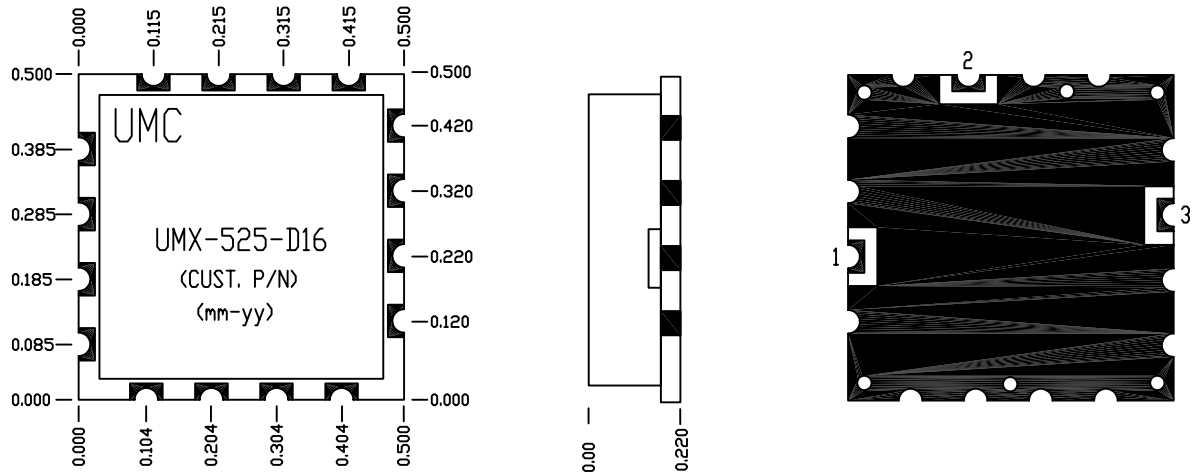




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+9.0
Vtune Voltage, Vdc	+15.0
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 4/7/05  
Engineer:

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMX-525-D16

SIZE  
A

FSCM NO.

DWG NO.

UP-525

REV  
A

SCALE N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	1850		2220
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc		-20	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-82	-77
@ Offset = 10kHz		-107	-103
@ Offset = 100kHz		-127	-123
@ Offset = 1MHz		-147	-143
@ Offset = 1MHz		-164	-159
Pushing, MHz/V		0.2	0.6
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		2	5
Tuning Voltage, Vdc	0		+14.0
Tuning Sensitivity, MHz/V		35	
Frequency drift with temperature:			
@ -40°C, MHz		5	10
@ +85°C, MHz		6	12
Supply Voltage, Vdc		+8.0	
Supply Current, mA		28	
Output Power @ $V_t = 0$ and 14V	+5.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMX-525-D16			
Size	A		REV A
Engineer: T. Kraus 3/18/03		SHEET 2 OF 2	