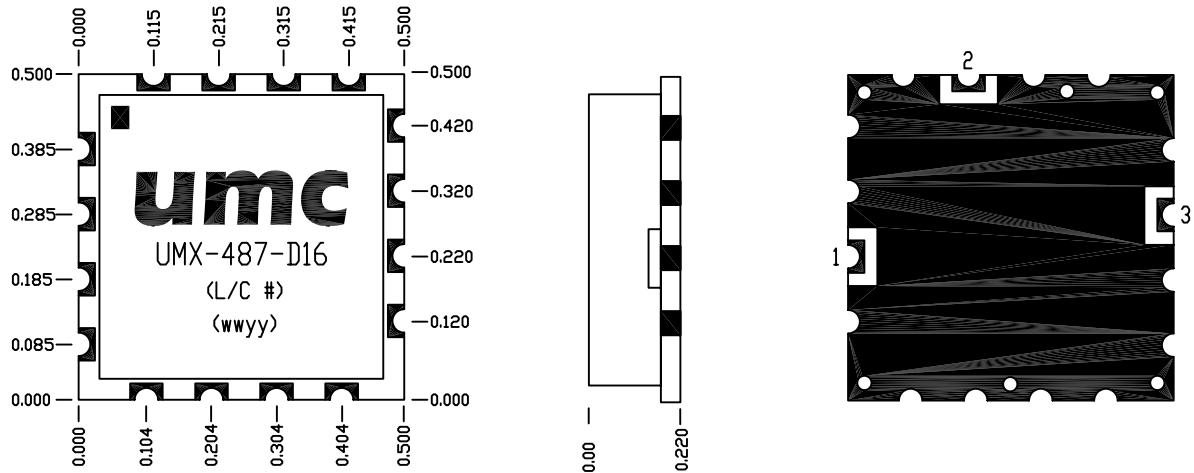




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
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
 TOLERANCES
 .X =+/-0.1
 .XX =+/-0.01
 .XXX =+/-0.005
 ANG =+/-2°
 Universal Microwave Corporation
 Proprietary Information
 Prepared by: M.BANKS 6/15/05
 Engineer:
 Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
 DRAWING FOR UMX-487-D16

SIZE A	FSCM NO.	DWG NO. UP-487	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	1570		1630
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc		-15	-12
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-90	-85
@ Offset = 10kHz		-115	-110
@ Offset = 100kHz		-135	-130
@ Offset = 1MHz		-155	-150
@ Offset = 10MHz		-165	-160
Pushing, MHz/V		0.2	0.6
Pulling, MHz p-p, @12dB_r, all phases		1	2
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		20	
Frequency drift with temperature:			
@ -40°C, MHz		1	3
@ +85°C, MHz		1	3
Supply Voltage, Vdc		+5.0	
Supply Current, mA		25	
Output Power @ V_t = 0 and 5V	+4.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMX-487-D16			
Size	A	REV	A
Engineer:	T.KRAUS 12/8/04	SHEET 2 OF 2	