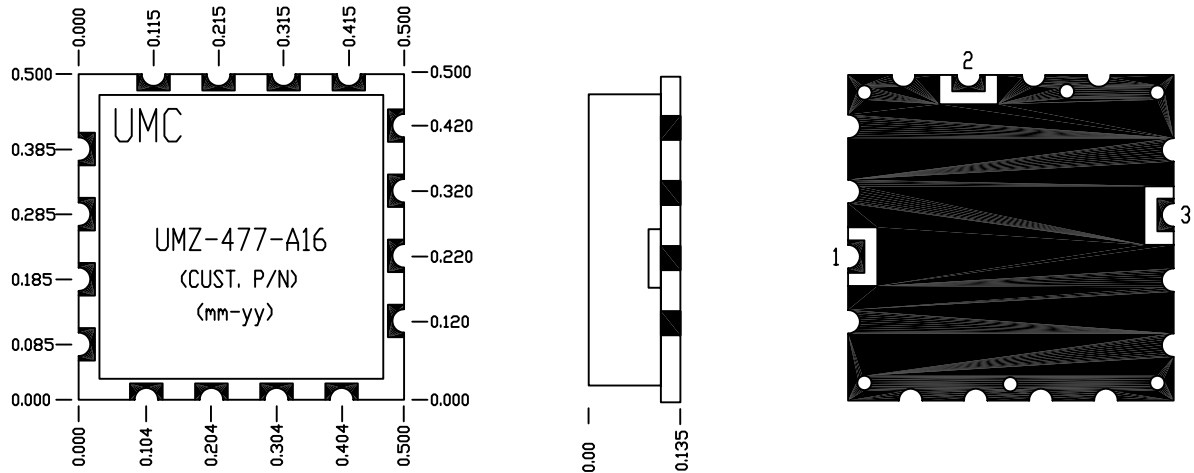




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+12.0
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 5/2/05

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-477-A16

SIZE
A

FSCM NO.

DWG NO.

UP-477

REV
A

SCALE N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	147		221
Power Output, dBm	+8.0	+10.0	+12.0
Harmonics, dBc		-25	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-80	-75
@ Offset = 10kHz		-107	-102
@ Offset = 100kHz		-127	-122
@ Offset = 1MHz		-147	-142
@ Offset = 1MHz		-164	-155
Pushing, MHz/V		0.3	0.6
Pulling, MHz p-p, @12dB _r , all phases		0.5	1
Tuning Voltage, Vdc	+1.0		+11.0
Tuning Sensitivity, MHz/V		10	
Frequency drift with temperature:			
@ -40°C, MHz		1	
@ +85°C, MHz		1.2	
Supply Voltage, Vdc		+12.0	
Supply Current, mA		18	
Output Power @ $V_t = 0$ and 11V	+6.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-477-A16			
Size	A	REV	A
Engineer:	PJE 5/2/05	SHEET 2 OF 2	