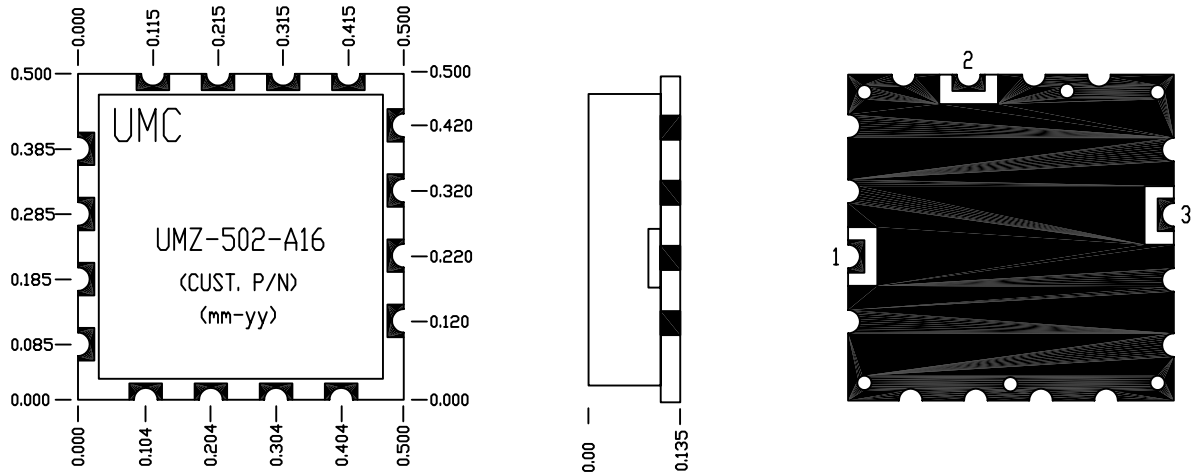


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+14.0
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 8/11/04  
Engineer:

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMZ-502-A16

SIZE  
A

FSCM NO.

DWG NO.

UP-502

REV  
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	600		1235
Power Output, dBm	+8.0	+11.0	+12.5
Harmonics, dBc		-20	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-78	-73
@ Offset = 10kHz		-103	-98
@ Offset = 100kHz		-123	-118
@ Offset = 1MHz		-143	-138
@ Offset = 10MHz			
Pushing, MHz/V		.3	1.0
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		5	10
Tuning Voltage, Vdc	+1.0		+13.0
Tuning Sensitivity, MHz/V		65	
Frequency drift with temperature:			
@ -40°C, MHz		10	15
@ +85°C, MHz		10	15
Supply Voltage, Vdc		+12.0	
Supply Current, mA		26	
Output Power @ $V_t = 0$ and 5V	+8.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		10000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMZ-502-A16			
Size	A	REV	A
Engineer: PJE		SHEET 2 OF 2	