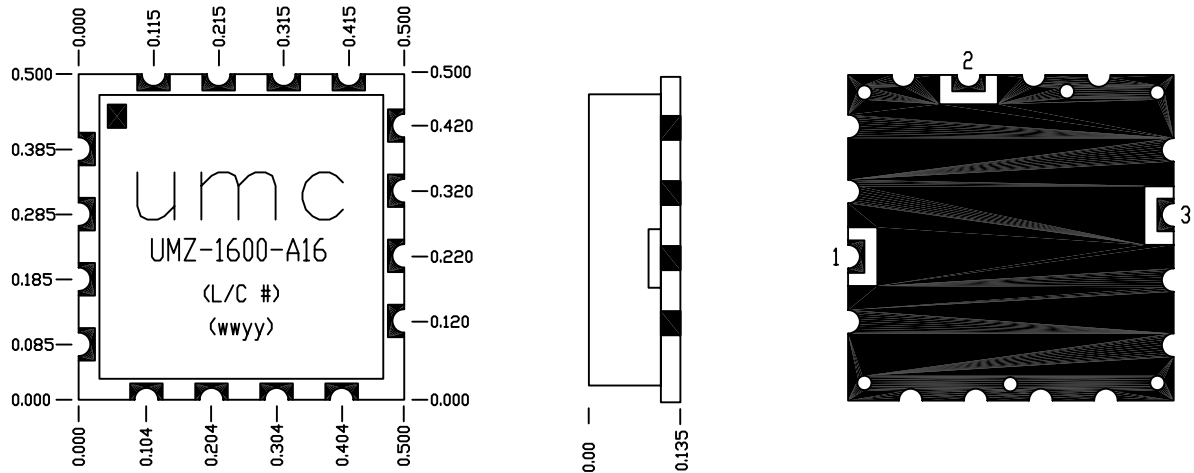




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+11.0
Vtune Voltage, Vdc	+5.5
DC Voltage applied to RF out	+/- 0V



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 =+/- .1
 .XX =+/- .01
 .XXX =+/- .005
 ANG =+/- 2°
 Universal Microwave Corporation
 Proprietary Information
 Prepared by: A.BYRD 9/7/06
 Engineer:
 Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
 DRAWING FOR UMZ-1600-A16

SIZE A	FSCM NO.	DWG NO. UP-1600	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	800	--	1550
Power Output, dBm	+3.0	+6.0	+9.0
Harmonics, dBc		-20	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-72	-65
@ Offset = 10kHz		-100	-95
@ Offset = 100kHz		-121	-116
@ Offset = 1MHz		-141	-136
@ Offset = 10MHz		-155	-148
Pushing, MHz/V		1.5	5
Pulling, MHz p-p, @12dB _r , all phases		15	30
Tuning Voltage, Vdc	0		+5.0
Tuning Sensitivity, MHz/V		200	
Frequency drift with temperature:			
@ -40°C, MHz		20	
@ +85°C, MHz		21	
Supply Voltage, Vdc		+10.0	
Supply Current, mA		25	
Output Power @ $V_t = 0$ and 5V	+3.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		40000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING		
Drawing No. UMZ-1600-A16		
Size A		REV A
Engineer: T.KRAUS 9/7/06		SHEET 2 OF 2