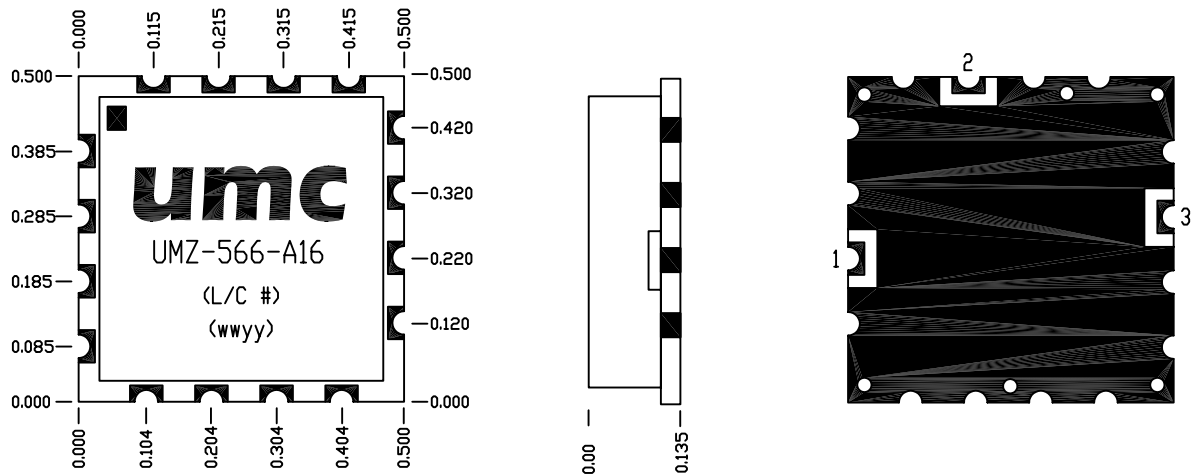




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+7.0
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 = +/- .1
.XX = +/- .01
.XXX = +/- .005
ANG = +/- 2°
Universal Microwave Corporation
Proprietary Information
Prepared by: A.BYRD 9/12/05
Engineer:
Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-566-A16

SIZE A	FSCM NO.	DWG NO. UP-566	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	120		165
Power Output, dBm	+6.0	+8.0	+10.0
Harmonics, dBc		-30	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-78	-73
@ Offset = 10kHz		-103	-98
@ Offset = 100kHz		-123	-118
@ Offset = 1MHz		-143	-138
@ Offset = 10MHz		-160	-155
Pushing, MHz/V		0.8	1.5
Pulling, MHz p-p, @12dB _r , all phases		0.5	1
Tuning Voltage, Vdc	+0.5		+6.0
Tuning Sensitivity, MHz/V		11	
Frequency drift with temperature:			
@ -40°C, MHz		0.5	1
@ +85°C, MHz		0.5	1
Supply Voltage, Vdc		+5.0	
Supply Current, mA		10	
Output Power @ $V_t = 0$ and 6V	+4.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-566-A16			
Size	A	REV	A
Engineer: T.KRAUS 9/12/05		SHEET 2 OF 2	