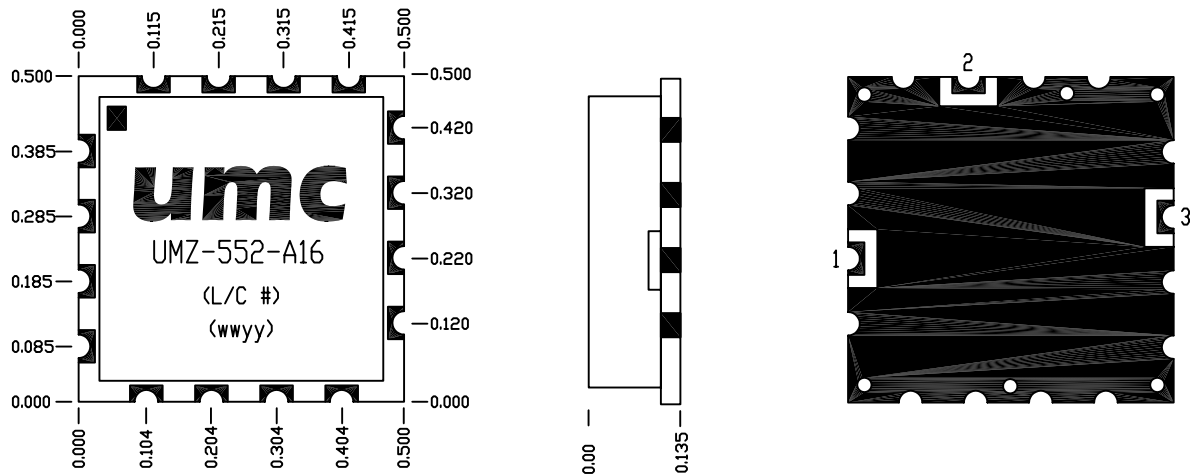




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+7.0
Vtune Voltage, Vdc	+6.5
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 9/9/05  
Engineer:  
Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMZ-552-A16

SIZE A	FSCM NO.	DWG NO. UP-552	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	197		230
Power Output, dBm	+9.0	+11.0	+13.0
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-77	-72
@ Offset = 10kHz		-102	-97
@ Offset = 100kHz		-123	-118
@ Offset = 1MHz		-143	-138
@ Offset = 10MHz		-160	-155
Pushing, MHz/V		1	1.5
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		2	4
Tuning Voltage, Vdc	+0.5		+5.5
Tuning Sensitivity, MHz/V		18	
Frequency drift with temperature:			
@ -40°C, MHz		2	4
@ +85°C, MHz		2	4
Supply Voltage, Vdc		+6.0	
Supply Current, mA		16	
Output Power @ $V_t = 0$ and 6V	+6.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMZ-552-A16			
Size	A	REV	A
Engineer: T.KRAUS 9/9/05		SHEET 2 OF 2	