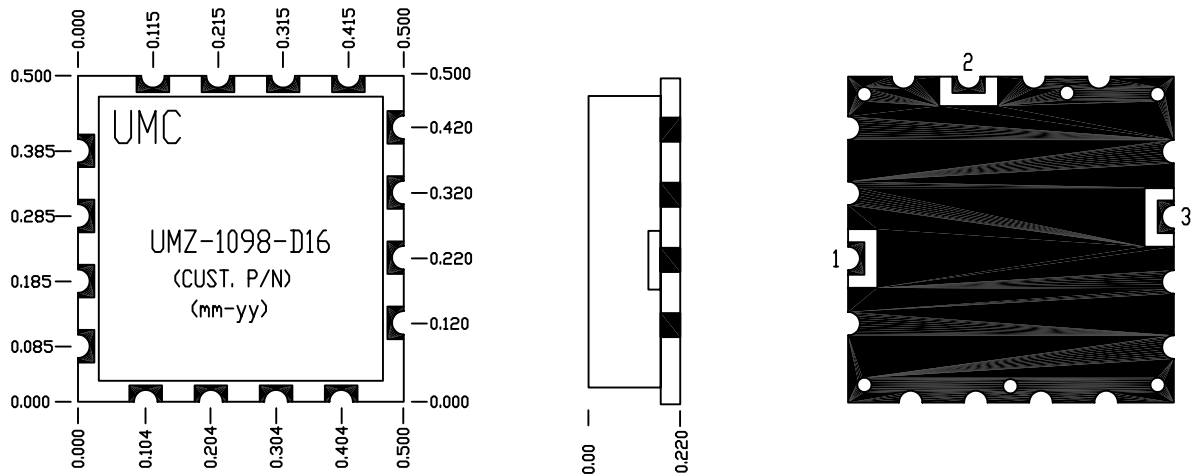


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+3.5
Vtune Voltage, Vdc	+5.0
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 5/10/04

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-1098-D16

SIZE A	FSCM NO.	DWG NO. UP-1098	REV A
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SCALE N/A	SHEET 1 OF 2
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	MIN.	TYP.	MAX.
Frequency, MHz	169	--	179
Power Output, dBm	0	+2.5	+5.0
Harmonics, dBc	--	-13	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-92	-87
@ Offset = 10kHz	--	-117	-112
@ Offset = 100kHz	--	-137	-132
@ Offset = 1MHz	--	-157	-152
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.3	0.5
Pulling, MHz p-p, @12dB _r , all phases	--	0.5	1
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V	--	5	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.5	1
@ +85 degrees C, MHz	--	0.5	1
Supply Voltage, Vdc	+2.9	+3.0	+3.1
Supply Current, mA _{dc}	--	8.5	10
Output Power @ V _{tune} = 0 and 5V	0	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Information	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-1098-D16			
	Prepared by: M.BANKS 5/10/04	SIZE A	FSCM NO.	DWG NO. UP-1098
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	