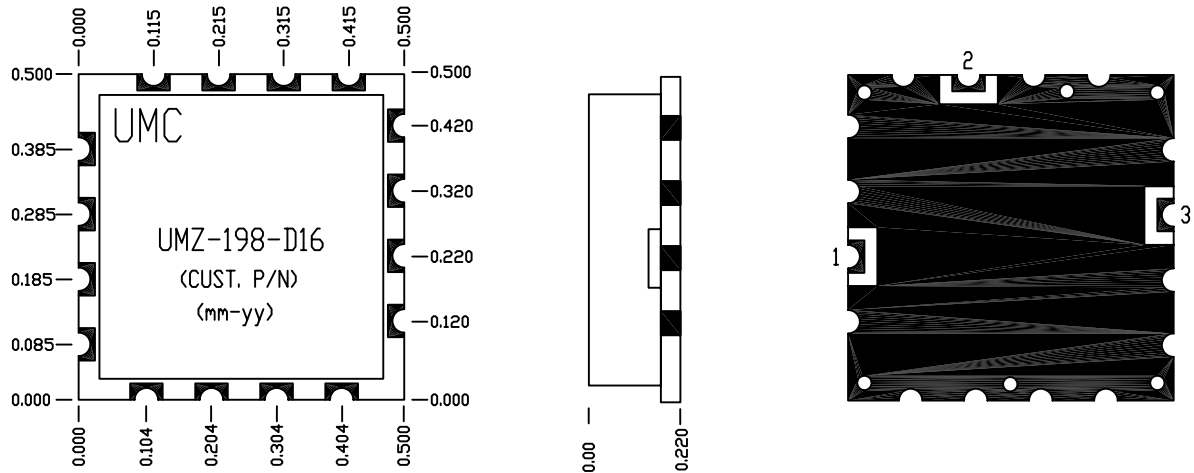




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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.0
Vtune Voltage, Vdc	+5.2
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 2/1/05

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-198-D16

SIZE
A

FSCM NO.

DWG NO.

UP-198

REV
A

SCALE N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	380		450
Power Output, dBm	-3.0	0	+2.0
Harmonics, dBc		-14	-8
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-90	-85
@ Offset = 10kHz		-115	-110
@ Offset = 100kHz		-135	-130
@ Offset = 1MHz		-155	-150
@ Offset = 1MHz		-164	-159
Pushing, MHz/V		0.5	2
Pulling, MHz p-p, @12dB _r , all phases		0.3	1
Tuning Voltage, Vdc	+0.2		+4.8
Tuning Sensitivity, MHz/V		22	
Frequency drift with temperature:			
@ -40°C, MHz		2	3.5
@ +85°C, MHz		2	3.5
Supply Voltage, Vdc		+5.0	
Supply Current, mA		14	
Output Power @ $V_t = 0$ and 5V	-4.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-198-D16			
Size	A	REV	A
Engineer: PJE 2/1/05		SHEET 2 OF 2	