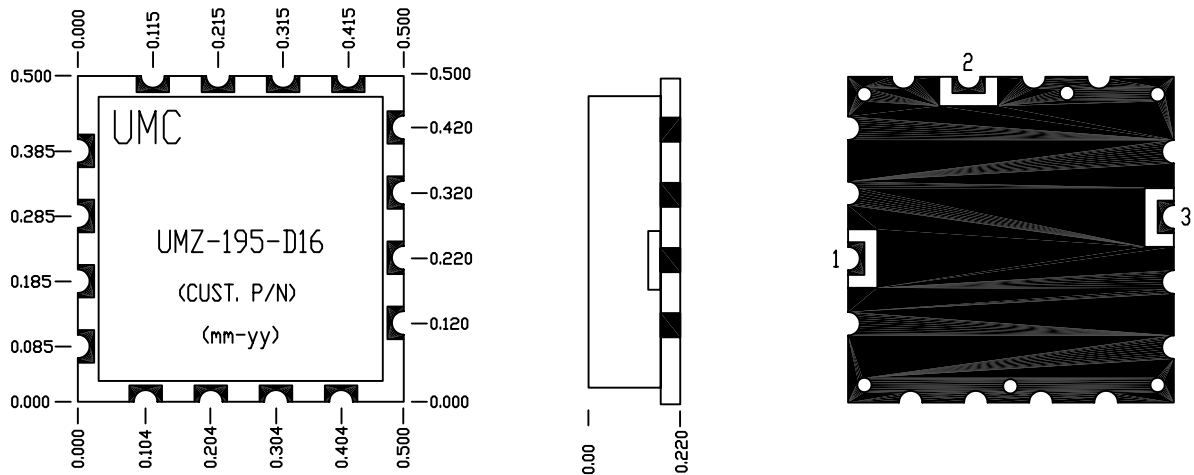


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.3
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 3/12/04

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-195-D16

SIZE
A

FSCM NO.

DWG NO.

UP-195

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	450	--	533
Power Output, dBm	-3.0	0	+2.0
Harmonics, dBc	--	-15	-8
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-90	-85
@ Offset = 10kHz	--	-115	-110
@ Offset = 100kHz	--	-135	-130
@ Offset = 1MHz	--	-155	-150
@ Offset = 10MHz	--	-164	-159
Pushing, MHz/V	--	0.5	1.5
Pulling, MHz p-p, @12dBr, all phases	--	0.5	1
Tuning Voltage, Vdc	+0.2		+4.8
Tuning Sensitivity, MHz/V	--	23	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	3	--
@ +85 degrees C, MHz	--	3	--
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	14.5	--
Output Power @ V _{tune} = 0 and 5V	-4.0	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-195-D16		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-195
Prepared by: M.BANKS 3/12/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2