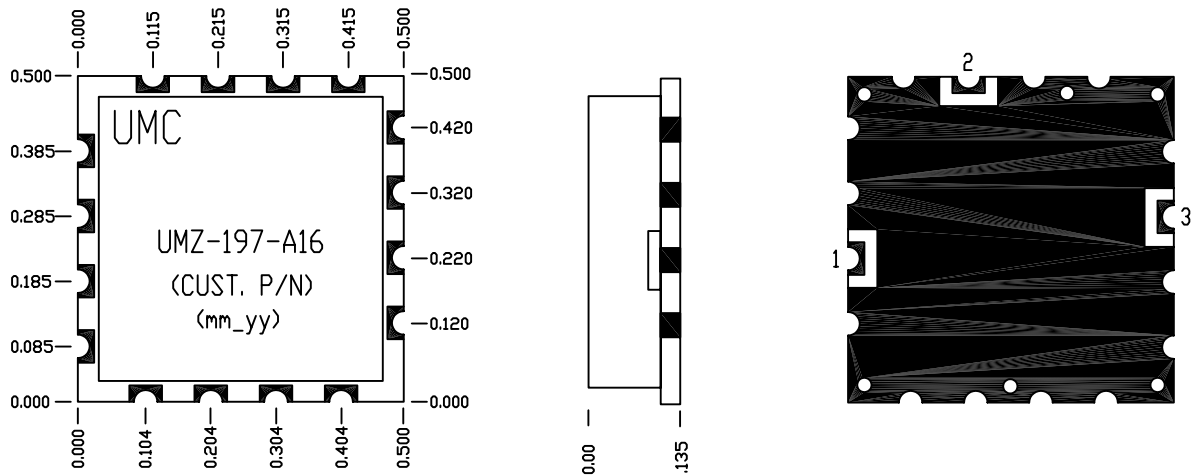


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+12.0
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 Document

Prepared by: MBANKS 11/18/03

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-197-A16

SIZE
A

FSCM NO.

DWG NO.

UP-197

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	96		133
Power Output, dBm	+7.0	+10.0	+12.0
Harmonics, dBc	--	-25	-15
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-80	-75
@ Offset = 10kHz	--	-105	-100
@ Offset = 100kHz	--	-125	-120
@ Offset = 1MHz	--	-145	-140
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.2	0.5
Pulling, MHz p-p, @12dB, all phases	--	0.5	2
Tuning Voltage, Vdc	0		+11.0
Tuning Sensitivity, MHz/V		6.5	
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2	4
@ +85 degrees C, MHz	--	2	3
Supply Voltage, Vdc	--	+12.0	--
Supply Current, mA _{dc}		16	
Output Power @ V _{tune} = 0 and 11V	+5	--	--
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-197-A16			
	Prepared by: M.BANKS 11/18/03	SIZE A	FSCM NO.	DWG NO. UP-197
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	