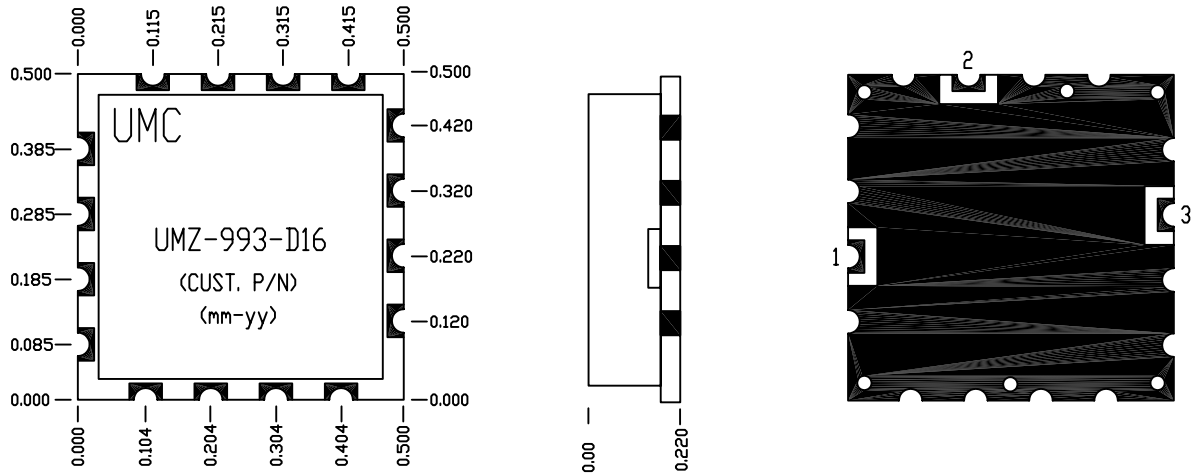


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+9.0
Vtune Voltage, Vdc	+19.0
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 10/9/03
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-993-D16

SIZE
A

FSCM NO.

DWG NO.

UP-993

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	800	--	1150
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-12	-8
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-85	-80
@ Offset = 10kHz	--	-110	-105
@ Offset = 100kHz	--	-130	-125
@ Offset = 1MHz	--	-150	-145
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.2	0.4
Pulling, MHz p-p, @12dBr, all phases	--	1.0	2.0
Tuning Voltage, Vdc	1.0		18
Tuning Sensitivity, MHz/V	--	24	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	5	8
@ +85 degrees C, MHz	--	5	8
Supply Voltage, Vdc	--	8	--
Supply Current, mA _{dc}	--	28	--
Output Power @ V _{tune} = 0 and 5V	-2.5	--	--
Tuning Port Capacitance, pF	--	200	--
3dB Modulation Bandwidth, kHz	--	5000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-993-D16		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-993
Prepared by: M.BANKS 10/9/03			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2