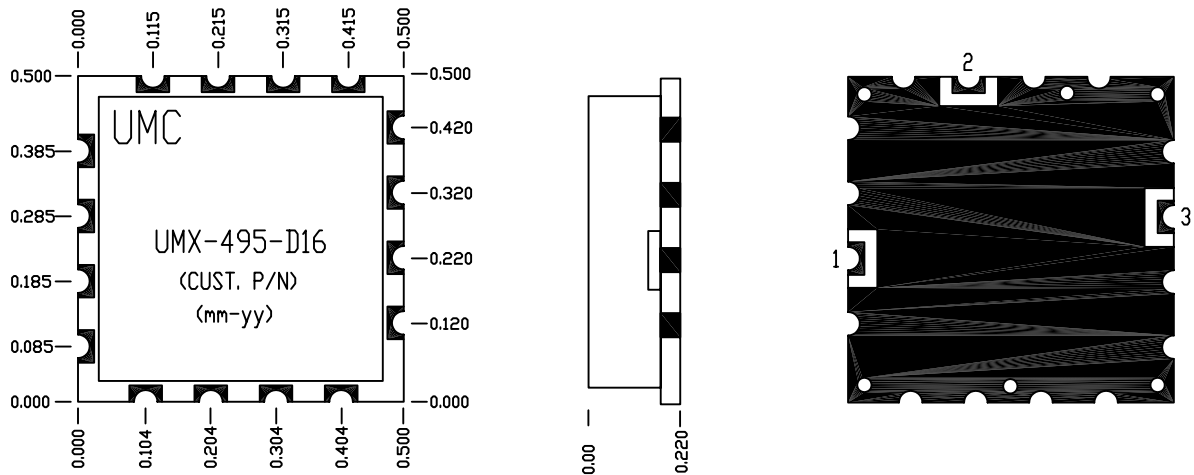


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+9.0
Vtune Voltage, Vdc	+13.0
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 5/21/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMX-495-D16			
	SIZE A	FSCM NO.	DWG NO. UP-495	REV A
	SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	1590	--	1855
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc	--	-17	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-83	-78
@ Offset = 10kHz	--	-108	-105
@ Offset = 100kHz	--	-128	-125
@ Offset = 1MHz	--	-148	-145
@ Offset = 10MHz	--	-165	-160
Pushing, MHz/V	--	0.5	1
Pulling, MHz p-p, @12dB _r , all phases	--	1	3
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V	--	28	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2	4
@ +85 degrees C, MHz	--	2	4
Supply Voltage, Vdc	--	+8.0	--
Supply Current, mA _{dc}	--	27	--
Output Power @ V _{tune} = 0 and 12V	+4.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMX-495-D16		
Universal Microwave Corporation Proprietary Information	SIZE A	FSCM NO.	DWG NO. UP-495
Prepared by: M.BANKS 5/21/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2