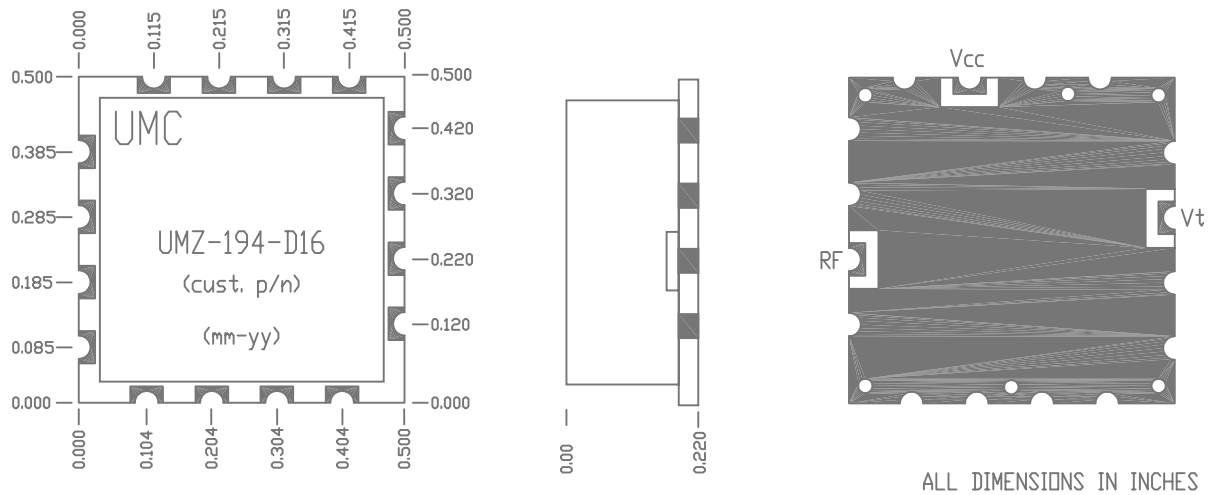


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+6
Vtune Voltage, Vdc	+6
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF Out	
2: Vcc	
3: V-tune	
All other contacts are Ground	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches File = /P194/SOURCE/SCD1.DWG	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-194-D16		
Prepared by: Jan Adams Date: 05-06-02	SIZE A	FSCM NO.	DWG NO. UP-194
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	SHEET	REV X

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	777		880
Power Output, dBm	-6	-3	0
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-85	-80
@ Offset = 10kHz	--	-110	-105
@ Offset = 100kHz	--	-130	-125
@ Offset = 1MHz	--	-150	-145
@ Offset = 10MHz	--	-164	-159
Pushing, MHz/V	--	1	1.5
Pulling, MHz p-p, @12dB _r , all phases	--	0.5	1.5
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	35	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	4	6.5
@ +85 degrees C, MHz	--	4	6.5
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	13	--
Output Power @ V _{tune} = 0 and 5V	-7	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
 dimensions are in inches
 File = /P194/SOURCE/SCD.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL
 DRAWING FOR UMZ-194-D16

Prepared by: Jan Adams Date: 05-06-02

SIZE
A

FSCM NO.

DWG NO.

UP-194

REV
X

Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

SCALE

SHEET