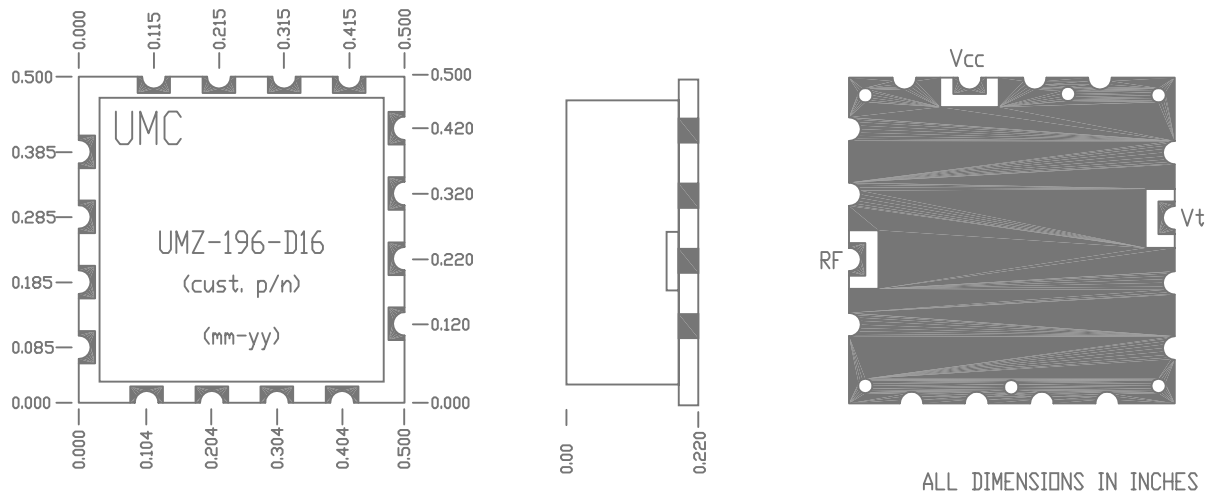


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

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 = /P196/SOURCE/SCD1.DWG	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-196-D16		
Prepared by: Jan Adams Date: 05-07-02	SIZE A	FSCM NO.	DWG NO. UP-196
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	SHEET	REV X



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	532		595
Power Output, dBm	-2	+1	+3
Harmonics, dBc	--	-13	-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	2
Pulling, MHz p-p, @12dB _r , all phases	--	0.5	1
Tuning Voltage, Vdc	0.2		4.8
Tuning Sensitivity, MHz/V	--	22	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2.5	4
@ +85 degrees C, MHz	--	2.5	4
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	11	--
Output Power @ V _{tune} = 0 and 5V	-3	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches
File = /P196/SOURCE/SCD.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-196-D16

Prepared by: Jan Adams Date: 05-07-02

SIZE
A

FSCM NO.

DWG NO.

UP-196

REV
X

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

SCALE

SHEET

