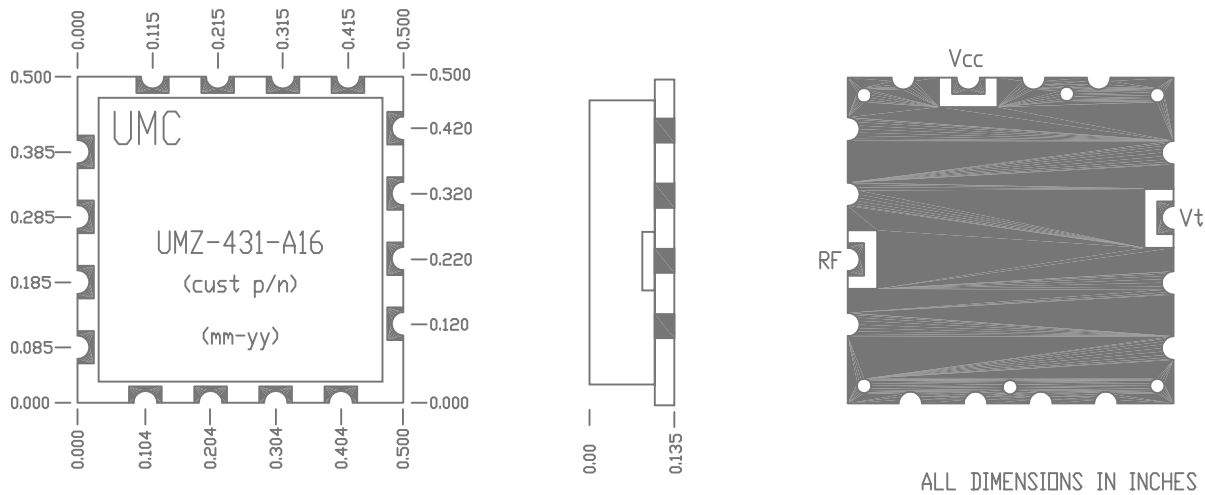


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Operating Temperature Range	-40 to +70 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 = /P431/SOURCE/SCD1.DWG	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMZ-431-A16			
Prepared by: Jan Adams    Date: 10-25-01	SIZE A	FSCM NO.	DWG NO. UP-431	REV X
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	540		560
Power Output, dBm	+0	+2.5	+5.0
Harmonics, dBc	--	-13	-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	-155
Pushing, MHz/V	--	0.3	1
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases	--	0.5	1
Tuning Voltage, Vdc	1		4
Tuning Sensitivity, MHz/V	--	14	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	1	3
@ +70 degrees C, MHz	--	1	3
Supply Voltage, Vdc	--	5.0	--
Supply Current, mA <sub>dc</sub>	--	16	--
Output Power @ V <sub>tune</sub> = 0 and 5V	-1	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,  
 dimensions are in inches  
 File = /P431/SOURCE/SCD.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL  
 DRAWING FOR UMZ-431-A16

Prepared by: Jan Adams Date: 10-25-01

SIZE  
A

FSCM NO.

DWG NO.

UP-431

REV  
X

Universal Microwave Corporation  
 2339 Destiny Way  
 Odessa, FL 33556

SCALE

SHEET