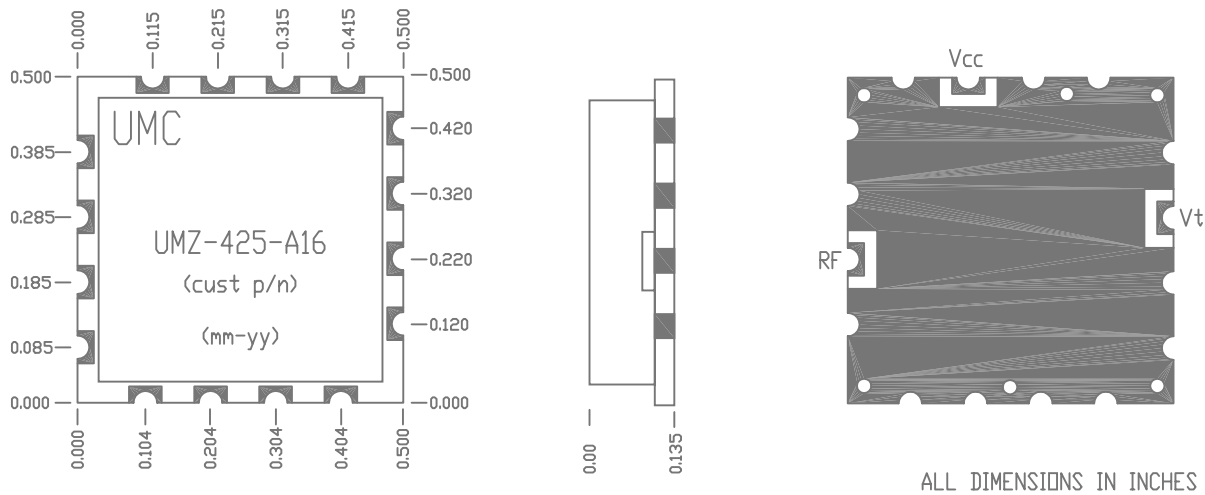


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Operating Temperature Range	-40 to +70 degrees C
Storage Temperature Range	-50 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 = /P425/SOURCE/SCD1.DWG	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMZ-425-A16			
Prepared by: Jan Adams Date: 10-25-01	SIZE A	FSCM NO.	DWG NO. UP-425	REV X
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE		SHEET	



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	823		849
Power Output, dBm	+1	+3	+5
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-88	-83
@ Offset = 10kHz	--	-113	-108
@ Offset = 100kHz	--	-133	-128
@ Offset = 1MHz	--	-153	-148
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.3	1.0
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases	--	1.0	1.5
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	13	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2	4
@ +70 degrees C, MHz	--	2	4
Supply Voltage, Vdc	--	5	--
Supply Current, mA <sub>dc</sub>	--	14	--
Output Power @ V <sub>tune</sub> = 0 and 5V	0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,  
dimensions are in inches  
File = /P425/SOURCE/SCD.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMZ-425-A16

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

SIZE  
A

FSCM NO.

DWG NO.

UP-425

REV  
X

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

SCALE

SHEET

