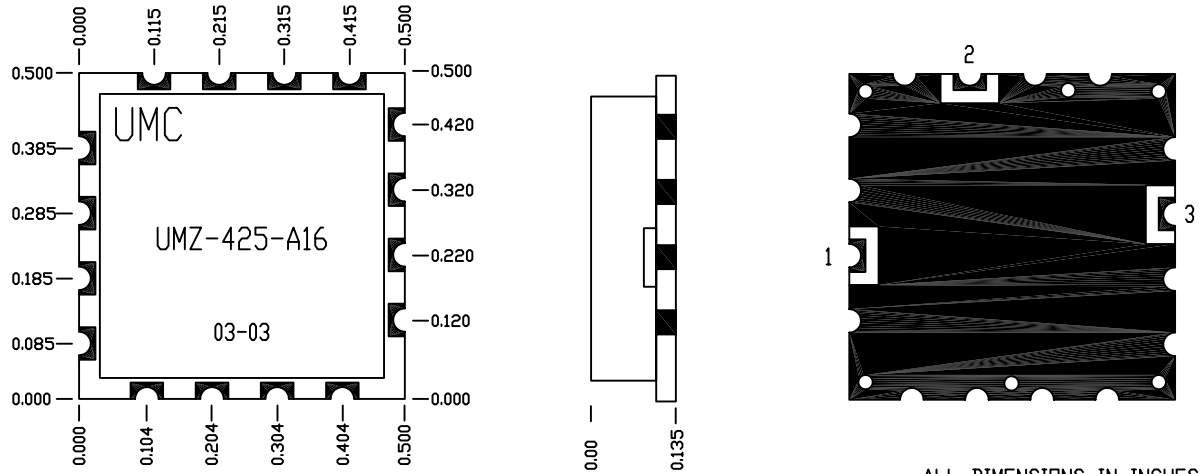


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-50 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

CONTACT ASSIGNMENTS:	
1: RF OUT	
2: SUPPLY INPUT	
3: CONTROL VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-425-A16			
	Prepared by: M.BANKS Date: 03/18/02	SIZE A	FSCM NO.	DWG NO. UP-425
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	DATE: 03/18/03	SHEET 1 OF 2	

	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, @12dBr, 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, mAdc	--	14	--
Output Power @ Vtune = 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	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-425-A16		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-425
Prepared by: Jan Adams Date: 1-24-03			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	DATE: 03/18/03	SHEET 2 OF 2