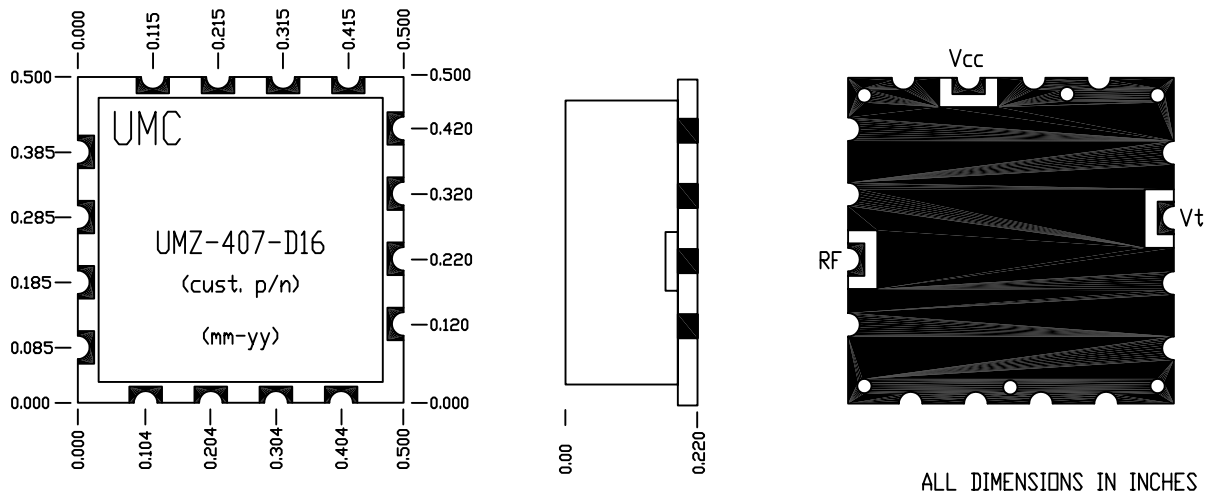


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF Out	
2: Vcc	
3: V-tune	
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-407-D16			
	Prepared by: M.BANKS Date: 03/24/03	SIZE A	FSCM NO.	DWG NO. UP-407
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	DATE: 03/24/03	SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	440		460
Power Output, dBm	+2.5	+5	+7.5
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-90	-85
@ Offset = 10kHz	--	-115	-111
@ Offset = 100kHz	--	-135	-131
@ Offset = 1MHz	--	-155	-151
@ Offset = 10MHz	--	-164	-159
Pushing, MHz/V	--	0.5	1
Pulling, MHz p-p, @12dBr, all phases	--	0.3	0.6
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	13	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2.5	3
@ +85 degrees C, MHz	--	2.5	3
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	27	--
Output Power @ V _{tune} = 0 and 5V	+2.5	--	--
Tuning Port Capacitance, pF	--	100	--
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-407-D16		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-407
Prepared by: M.BANKS Date: 03/24/03			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	DATE: 03/24/03	SHEET 2 OF 2