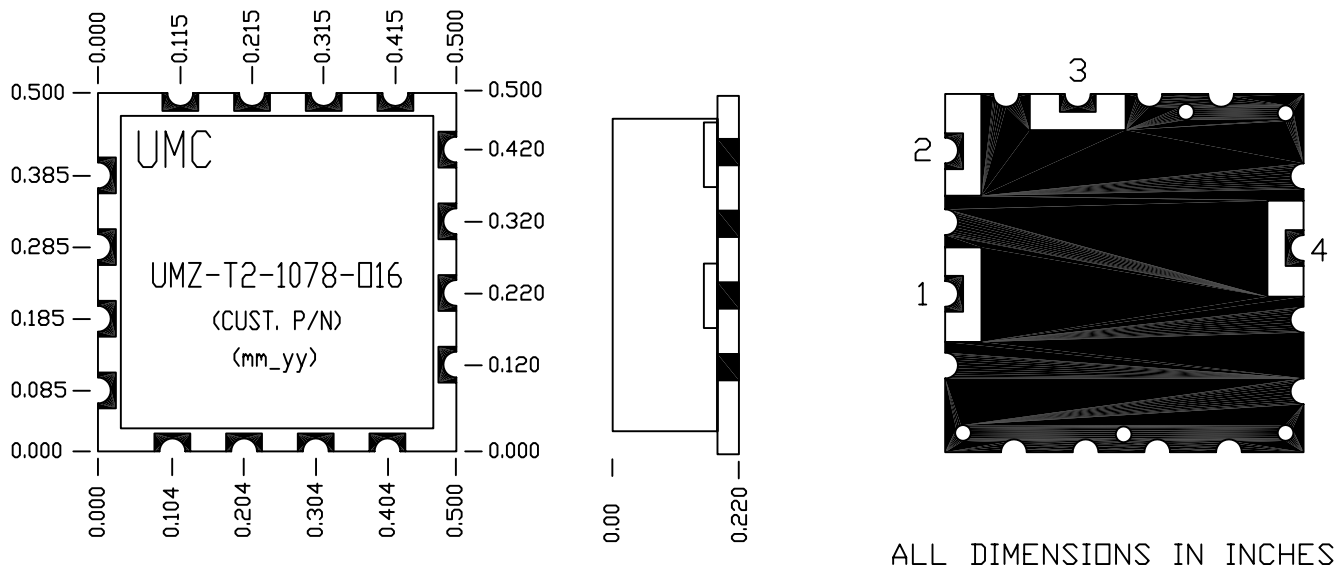


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+11.0
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

1: RF OUT	
2: 1/2 FREQUENCY SAMPLE	
3: SUPPLY VOLTAGE INPUT	
4: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Information Prepared by: M.BANKS 5/12/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-1078-016		
	SIZE A	FSCM NO.	DWG NO. UP-1078
	SCALE N/A		REV A
	SHEET 1 OF 2		

	MIN.	TYP.	MAX.
Frequency, MHz	4200	--	4400
Power Output, dBm	-3.0	0	+3.0
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-71	-66
@ Offset = 10kHz	--	-97	-92
@ Offset = 100kHz	--	-117	-112
@ Offset = 1MHz	--	-137	-132
@ Offset = 10MHz	--	-157	-152
Pushing, MHz/V	--	2	5
Pulling, MHz p-p, @12dBr, all phases	--	0.1	0.3
Tuning Voltage, Vdc	+2.0		+10.0
Tuning Sensitivity, MHz/V	--	75	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	17.5	--
@ +85 degrees C, MHz	--	17.5	--
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	59	--
Output Power @ V _{tune} = 0 and 11V	-4.0	--	--
Tuning Port Capacitance, pF	--	10	--
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-T2-1078-016		
Universal Microwave Corporation Proprietary Information	SIZE A	FSCM NO.	DWG NO. UP-1078
Prepared by: M.BANKS 5/12/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2