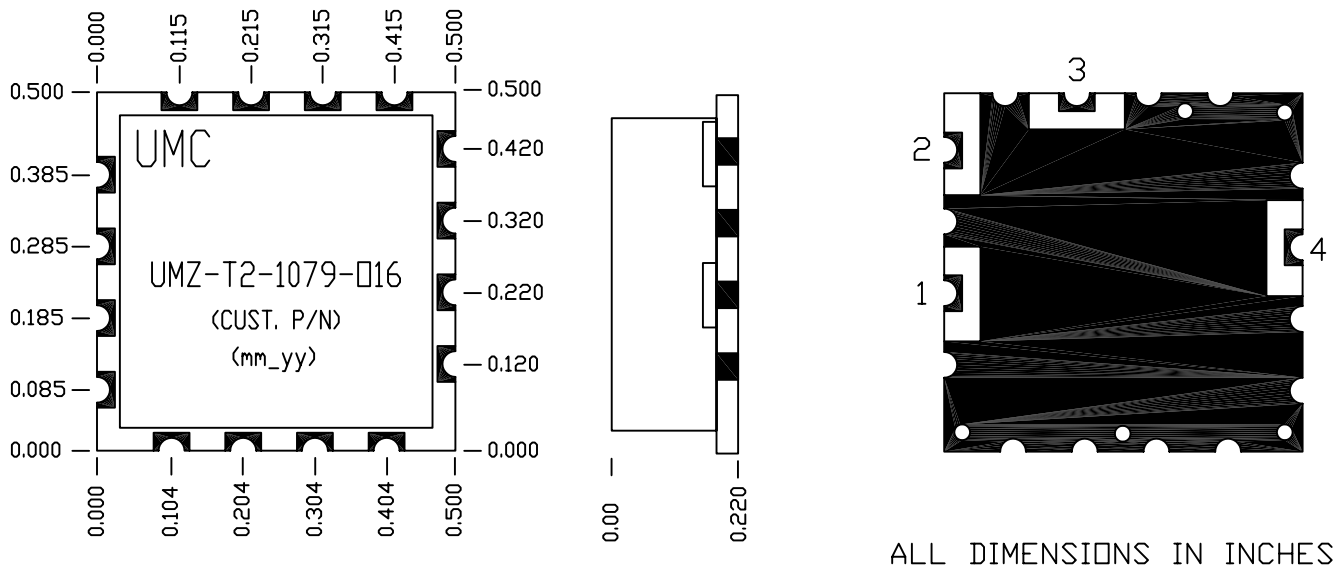


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+9.0
Vtune Voltage, Vdc	+13.0
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

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 5/11/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-1079-016		
	SIZE A	FSCM NO.	DWG NO. UP-1079
	SCALE N/A		REV A
			SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	4500	--	5250
Power Output, dBm	-3.0	0	+3.0
Harmonics, dBc	--	-19	-13
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-70	-65
@ Offset = 10kHz	--	-95	-90
@ Offset = 100kHz	--	-115	-110
@ Offset = 1MHz	--	-135	-130
@ Offset = 10MHz	--	-155	-150
Pushing, MHz/V	--	2	5
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases	--	0.1	0.3
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V	--	85	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	22	--
@ +85 degrees C, MHz	--	22	--
Supply Voltage, Vdc	--	+8.0	--
Supply Current, mA <sub>dc</sub>	--	52	--
Output Power @ V <sub>tune</sub> = 0 and 13V	-4.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches  Universal Microwave Corporation Proprietary Information	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-1079-016			
	Prepared by: M.BANKS 5/11/04	SIZE A	FSCM NO.	DWG NO. UP-1079
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	