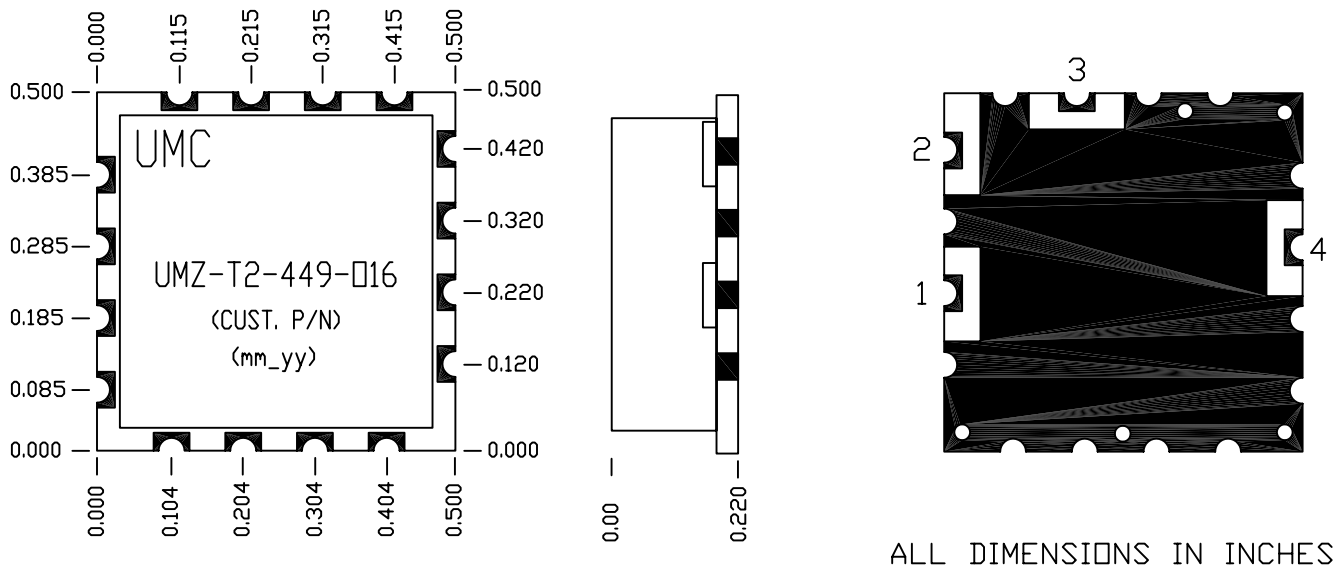


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+3.8
Vtune Voltage, Vdc	+3.3
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

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 9/2/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-449-016		
	SIZE A	FSCM NO.	DWG NO. UP-449
	SCALE N/A		REV A
			SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	5394		5494
Power Output, dBm	-2.5	-2.0	+2.5
1/2 Frequency Power Output, dBm			
Harmonics, dBc		-25	-12
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-68	-63
@ Offset = 10kHz		-93	-88
@ Offset = 100kHz		-113	-108
@ Offset = 1MHz		-133	-128
@ Offset = 10MHz		-153	-148
Pushing, MHz/V		8	16
Pulling, MHz p-p, @12dBr, all phases		3	6
Tuning Voltage, Vdc	+0.5		+2.8
Tuning Sensitivity, MHz/V		145	
Frequency drift with temperature:			
@ -40°C, MHz		25	30
@ +85°C, MHz		25	30
Supply Voltage, Vdc		+3.3	
Supply Current, mA		46	
Output Power @ $V_t = 0$ and 3V	-3.5		
Tuning Port Capacitance, pF		10	
3dB Modulation Bandwidth, kHz		5000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMZ-T2-449-O16			
Size	A	REV	A
Engineer: T. Kraus		SHEET 2 OF 2	