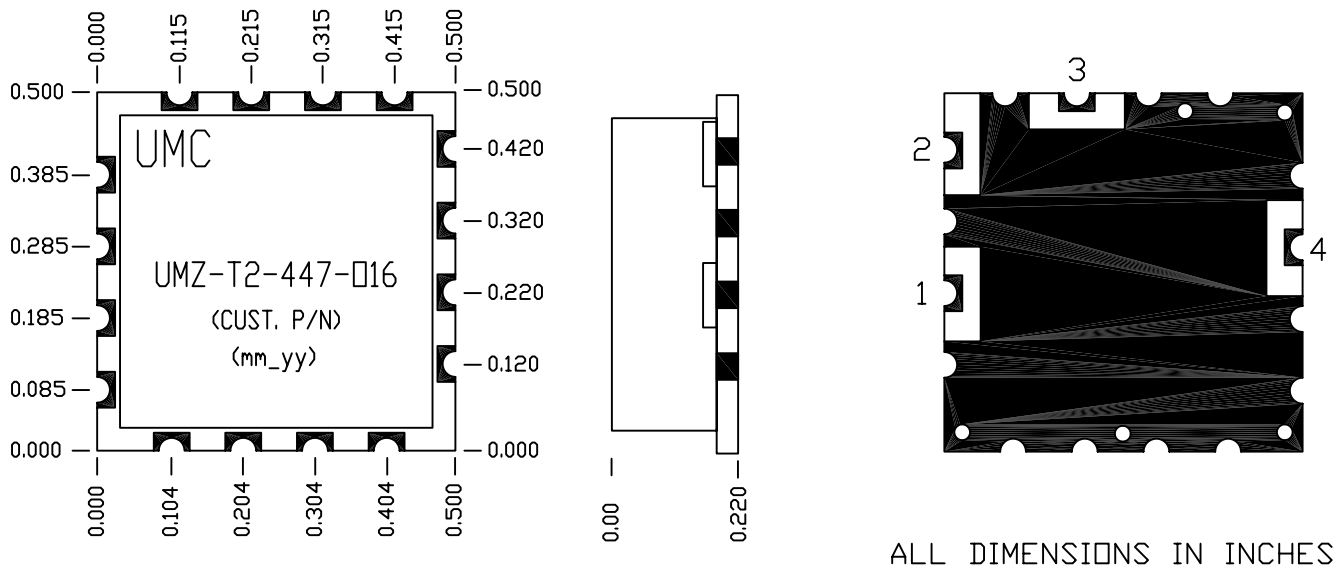


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+16.0
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



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-T2-447-016			
	SIZE	FSCM NO.	DWG NO.	REV
	A		UP-447	A
	SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	6600		8100
Power Output, dBm	-5.0	-2.0	+4.0
1/2 Frequency Power Output, dBm	-10	-15	-10
Harmonics, dBc		-15	-5
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-63	-58
@ Offset = 10kHz		-88	-83
@ Offset = 100kHz		-108	-103
@ Offset = 1MHz		-128	-123
@ Offset = 10MHz		-148	-143
Pushing, MHz/V		4	10
Pulling, MHz p-p, @12dBr, all phases			
Tuning Voltage, Vdc	+1.0		+15.0
Tuning Sensitivity, MHz/V		130	
Frequency drift with temperature:			
@ -40°C, MHz		30	45
@ +85°C, MHz		30	45
Supply Voltage, Vdc		+5.0	
Supply Current, mA		55	
Output Power @ $V_t = 0$ and 15V	-7.0		
Tuning Port Capacitance, pF		20	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-T2-447-O16			
Size	A	REV	A
Engineer: T. Kraus		SHEET 2 OF 2	