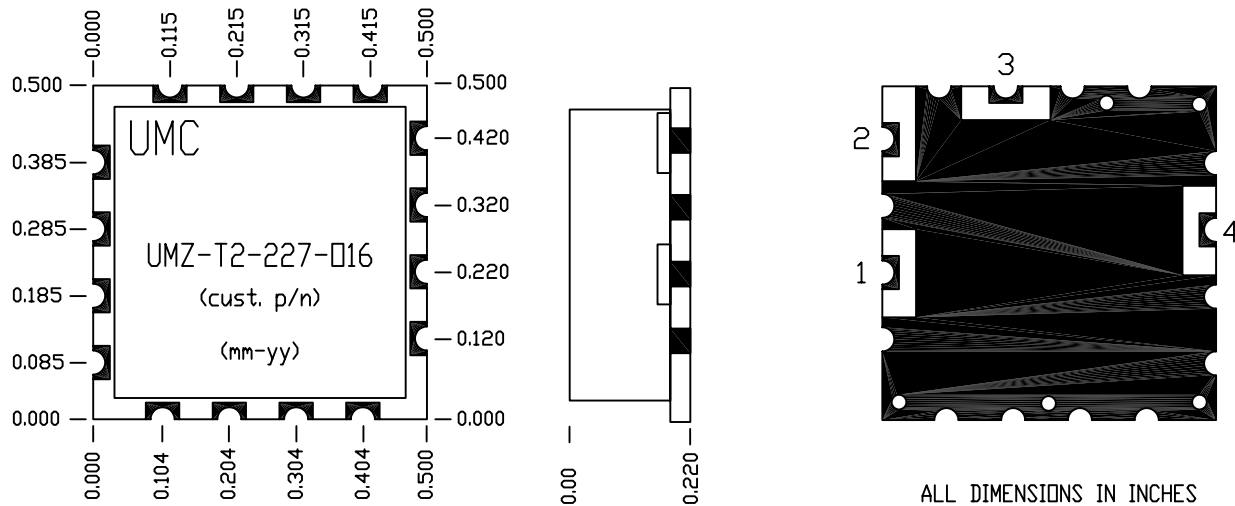


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+12.0
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF OUTPUT	
2: 1/2 FREQUENCY SAMPLE	
3: DC SUPPLY 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 Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-227-T2-016				
	Prepared by: M.BANKS 12/29/03	SIZE A	FSCM NO. T2-227	DWG NO. UP-227	REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET: 1 OF 2		

	MIN.	TYP.	MAX.
Frequency, MHz	4900		5900
Power Output, dBm	-4	-1	+2
Sub-Harmonics, dBc	--	-18	-14
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-65	-60
@ Offset = 10kHz	--	-92	-87
@ Offset = 100kHz	--	-112	-107
@ Offset = 1MHz	--	-132	-127
@ Offset = 10MHz	--	-152	-147
Pushing, MHz/V	--	5	10
Pulling, MHz p-p, @12dBm, all phases	--	1	2
Tuning Voltage, Vdc	+1.0		+11.0
Tuning Sensitivity, MHz/V	--	120	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	35	45
@ +85 degrees C, MHz	--	35	45
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mAdc	--	51	--
Output Power @ Vtune = 0 and 12V	-10.0	--	--
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 Document

Prepared by: M.BANKS 12/29/03

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-T2-227-016

SIZE A	FSCM NO.	DWG NO. UP-227	REV A
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SCALE: N/A

SHEET: 2 OF 2