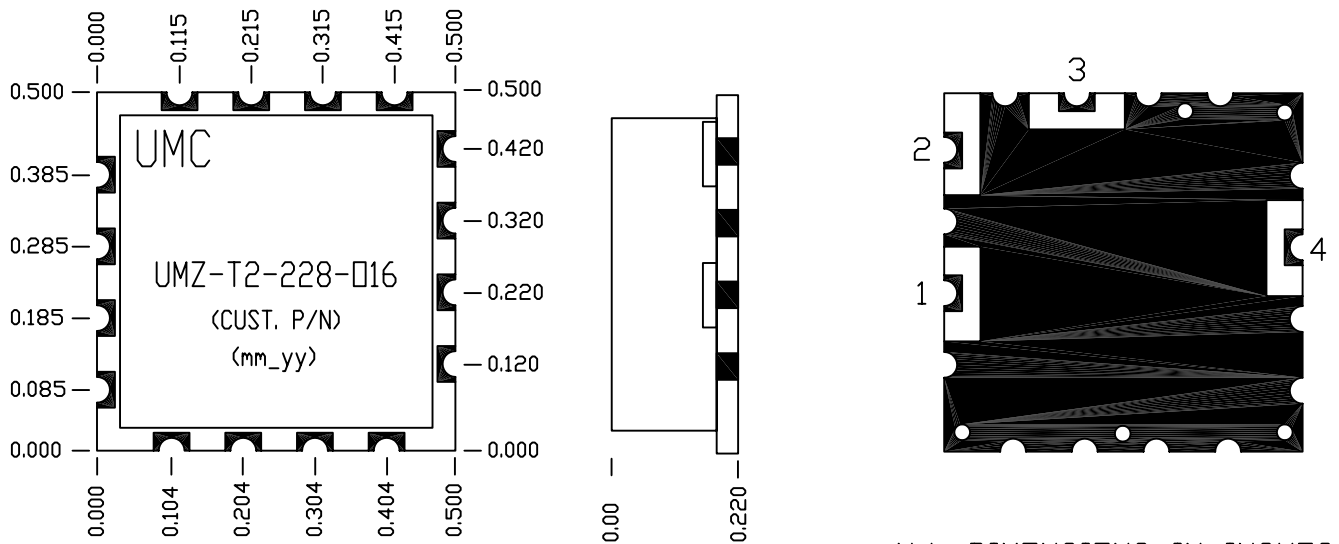


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+12.0
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

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 9/5/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-228-016			
	SIZE A	FSCM NO.	DWG NO. UP-228	REV A
	SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	5700		6812
Power Output, dBm	-3.0	+1.0	+4.0
1/2 Frequency Sample Power Output, dBm	-10	-5	0
Sub-Harmonics, dBc		-20	-8
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		6	13
Pulling, MHz p-p, @12dBr, all phases			
Tuning Voltage, Vdc	+1.0		+11.0
Tuning Sensitivity, MHz/V		130	
Frequency drift with temperature:			
@ -40°C, MHz		30	40
@ +85°C, MHz		30	40
Supply Voltage, Vdc		+5.0	
Supply Current, mA		51	54
Output Power @ $V_t = 0$ and 12V	-5.0		
Tuning Port Capacitance, pF		47	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-T2-228-O16			
Size	A	REV	A
Engineer: T. Kraus		SHEET 2 OF 2	