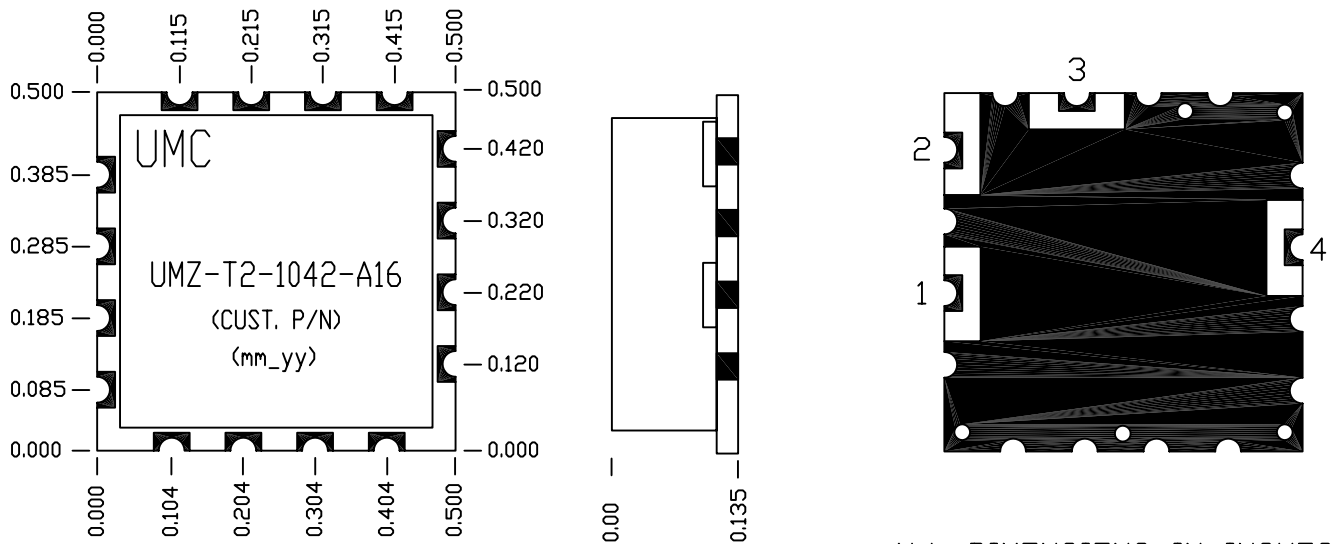


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+17.0
DC Voltage applied to PIN 1	+/- 25
DC Voltage applied to PIN 2	+/- 5

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 10/1/03 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-1042-A16			
	SIZE	FSCM NO.	DWG NO.	REV
	A		UP-1042	A
	SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	6100	--	7100
Power Output, dBm	-4.0	-1.0	+2.0
Harmonics, dBc	--	-18	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-65	-60
@ Offset = 10kHz	--	-90	-85
@ Offset = 100kHz	--	-110	-105
@ Offset = 1MHz	--	-130	-125
@ Offset = 10MHz	--	-150	-145
Pushing, MHz/V	--	7	14
Pulling, MHz p-p, @12dBr, all phases	--	0.2	1
Tuning Voltage, Vdc	+1.0		+16.0
Tuning Sensitivity, MHz/V	--	75	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	27	--
@ +85 degrees C, MHz	--	27	--
Supply Voltage, Vdc	--	+4.5	--
Supply Current, mA <sub>dc</sub>	--	50	--
Output Power @ V <sub>tune</sub> = 0 and 17V	-5.5	--	--
Tuning Port Capacitance, pF	--	20	--
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-T2-1042-A16			
	Prepared by: M.BANKS 1/10/04	SIZE A	FSCM NO.	DWG NO. UP-1042
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	