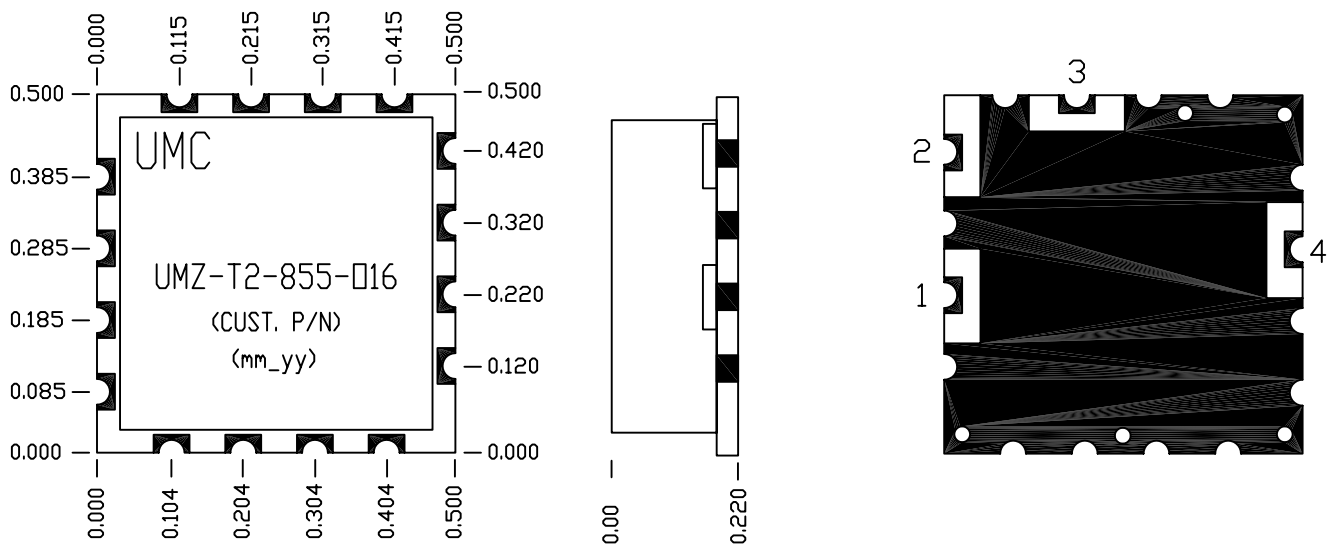




CONFIDENTIAL

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+11.0
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 6/29/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-855-016		
	SIZE A	FSCM NO.	DWG NO. UP-855
	SCALE N/A		REV A
			SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	4400		5000
Power Output, dBm	-3.0	0.0	+3.0
1/2 Frequency Sample Power Output, dBm	-10	-5	0
Sub-Harmonics, dBc		-15	-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		3	6
Pulling, MHz p-p, @12dBr, all phases		0.2	1
Tuning Voltage, Vdc	+2.0		+10.0
Tuning Sensitivity, MHz/V		100	
Frequency drift with temperature:			
@ -40°C, MHz		20	30
@ +85°C, MHz		20	30
Supply Voltage, Vdc		+5.0	
Supply Current, mA		52	
Output Power @ $V_t = 0$ and 11V	-5.0		
Tuning Port Capacitance, pF		20	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-T2-855-O16			
Size	A	REV	A
Engineer: T. Kraus 11/29/04		SHEET 2 OF 2	