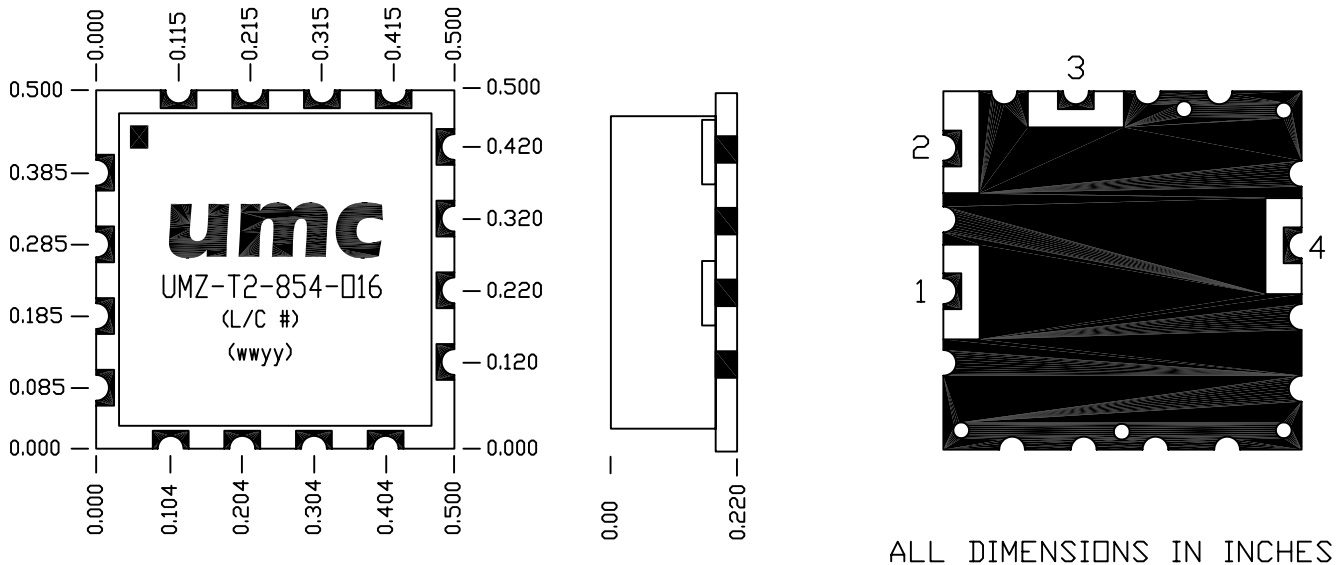




CONFIDENTIAL

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+3.8
Vtune Voltage, Vdc	+3.3
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 TOLERANCES .X =+/- .1 .XX =+/- .01 .XXX =+/- .005 ANG =+/- 2° Universal Microwave Corporation Proprietary Information	Universal Microwave Corp.			
	SPECIFICATION CONTROL			
	DRAWING FOR UMZ-T2-854-016			
	Prepared by: A.BYRD 11/3/05	SIZE A	FSCM NO.	DWG NO. UP-854
Engineer:	SCALE N/A		SHEET 1 OF 2	
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556				

	MIN.	TYP.	MAX.
Frequency, MHz	5146		5346
Power Output, dBm	-3.0	0	+3.0
SUB / 2 Output Power	-8.0	-5.0	0
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-65	-60
@ Offset = 10kHz		-91	-86
@ Offset = 100kHz		-111	-106
@ Offset = 1MHz		-131	-126
@ Offset = 10MHz		-151	-146
Pushing, MHz/V		8	
Pulling, MHz p-p, @12dBr, all phases		0.2	1
Tuning Voltage, Vdc	+0.5		+2.8
Tuning Sensitivity, MHz/V		150	
Frequency drift with temperature:			
@ -40°C, MHz		34	40
@ +85°C, MHz		34	40
Supply Voltage, Vdc		+3.3	
Supply Current, mA		47	51
Output Power @ $V_t = 0$ and 3V	-4.0		
Tuning Port Capacitance, pF		10	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-T2-854-O16			
Size	A	REV	A
Engineer: T.KRAUS 11/3/05		SHEET 2 OF 2	