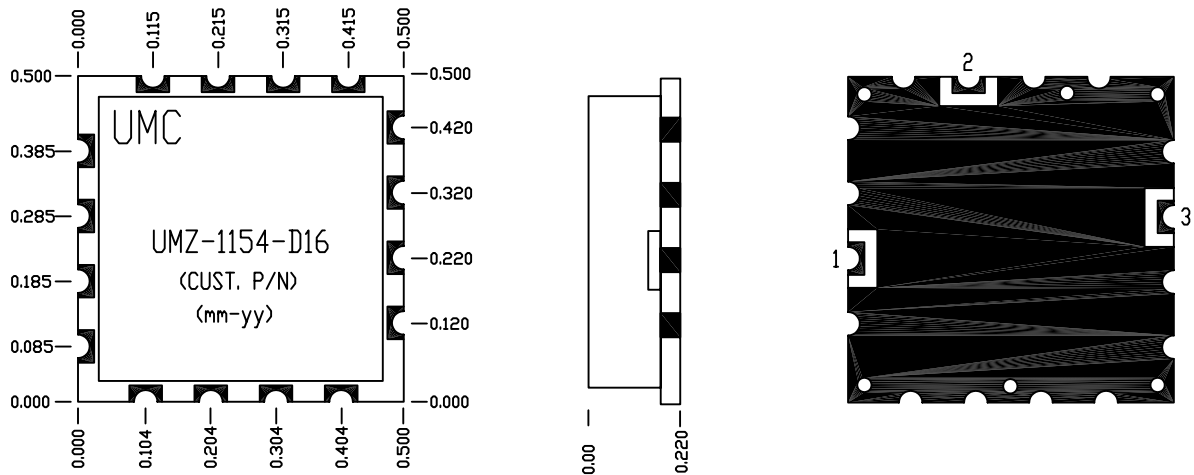


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25



ALL DIMENSIONS IN INCHES

TABLE 1.2, CONTACT ASSIGNMENTS

CONTACT ASSIGNMENTS:	
1: RF OUT	
2: SUPPLY INPUT	
3: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

Unless otherwise specified, dimensions are in inches  Universal Microwave Corporation Proprietary Information Prepared by: M.BANKS 7/5/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-1154-D16		
	SIZE A	FSCM NO.	DWG NO. UP-1154
	SCALE N/A		REV A
	SHEET 1 OF 2		

	MIN.	TYP.	MAX.
Frequency, MHz	200		239
Power Output, dBm	+6.0	+8.0	+10.0
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-97	-92
@ Offset = 10kHz		-122	-117
@ Offset = 100kHz		-142	-137
@ Offset = 1MHz		-162	-155
@ Offset = 10MHz			
Pushing, MHz/V		.4	.6
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		.5	.8
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		13	
Frequency drift with temperature:			
@ -40°C, MHz		2.0	4.0
@ +85°C, MHz		2.0	4.0
Supply Voltage, Vdc		+5.0	
Supply Current, mA		20	23
Output Power @ $V_t = 0$ and 5V	+5.5		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMZ-1154-D16			
Size	A	REV	A
Engineer: PJE		SHEET 2 OF 2	