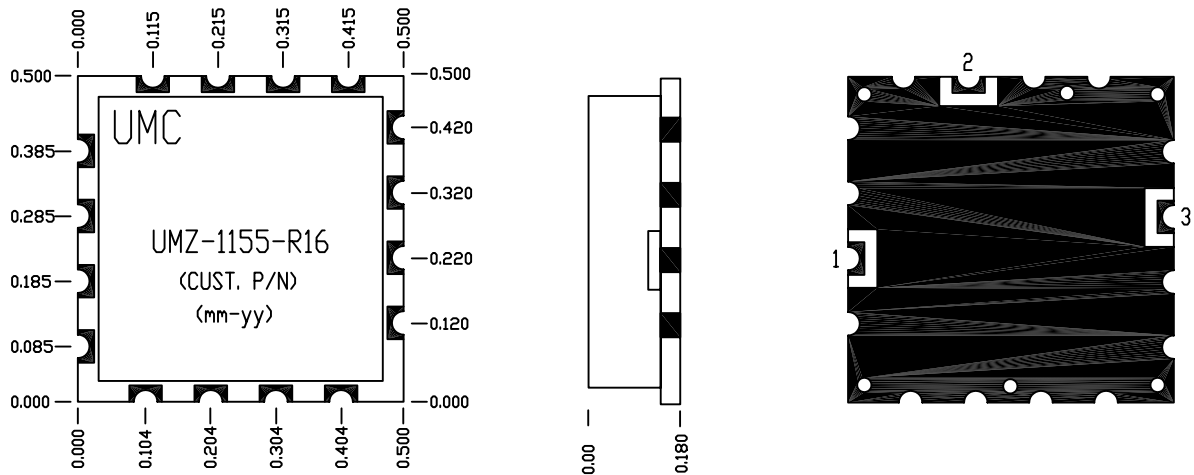


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

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 8/19/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-1155-R16			
	SIZE A	FSCM NO.	DWG NO. UP-1155	REV A
	SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	100		100
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-110	-105
@ Offset = 10kHz		-135	-130
@ Offset = 100kHz		-155	-150
@ Offset = 1MHz		-164	-155
@ Offset = 10MHz			
Pushing, MHz/V		.1	.2
Pulling, MHz p-p, @12dB _r , all phases		.1	.2
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		1	
Frequency drift with temperature:			
@ -40°C, MHz		.3	.6
@ +85°C, MHz		.3	.6
Supply Voltage, Vdc		+5.0	
Supply Current, mA		15	20
Output Power @ $V_t = 0$ and 5V	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-1155-R16			
Size	A	REV	A
Engineer: PJE		SHEET 2 OF 2	