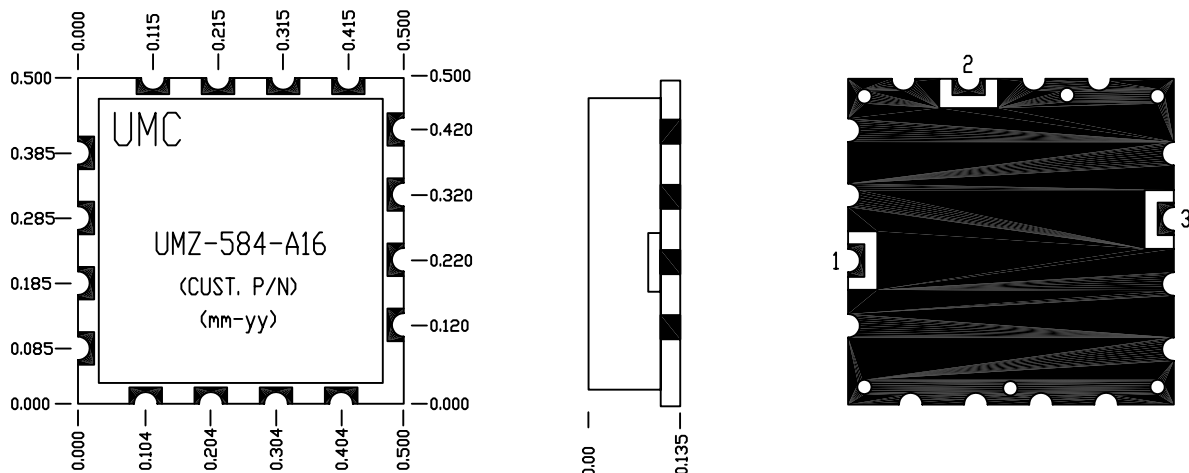




CONFIDENTIAL

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	+13.0
Vtune Voltage, Vdc	+10.0
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 8/11/04
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-584-A16

SIZE
A

FSCM NO.

DWG NO.

UP-584

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	400		700
Power Output, dBm	+8.0	+10.0	+12.0
Harmonics, dBc		-10	-5
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-75	-70
@ Offset = 10kHz		-102	-97
@ Offset = 100kHz		-123	-118
@ Offset = 1MHz		-143	-138
@ Offset = 10MHz		-160	-155
Pushing, MHz/V		0.4	1.5
Pulling, MHz p-p, @12dB _r , all phases		5	10
Tuning Voltage, Vdc	+1.0		+9.0
Tuning Sensitivity, MHz/V		50	
Frequency drift with temperature:			
@ -40°C, MHz		2	4
@ +85°C, MHz		2	4
Supply Voltage, Vdc		+12.0	
Supply Current, mA		27	
Output Power @ $V_t = 0$ and 10V	+7.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		10000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-584-A16			
Size	A	REV	A
Engineer: PJE 10/22/04		SHEET 2 OF 2	