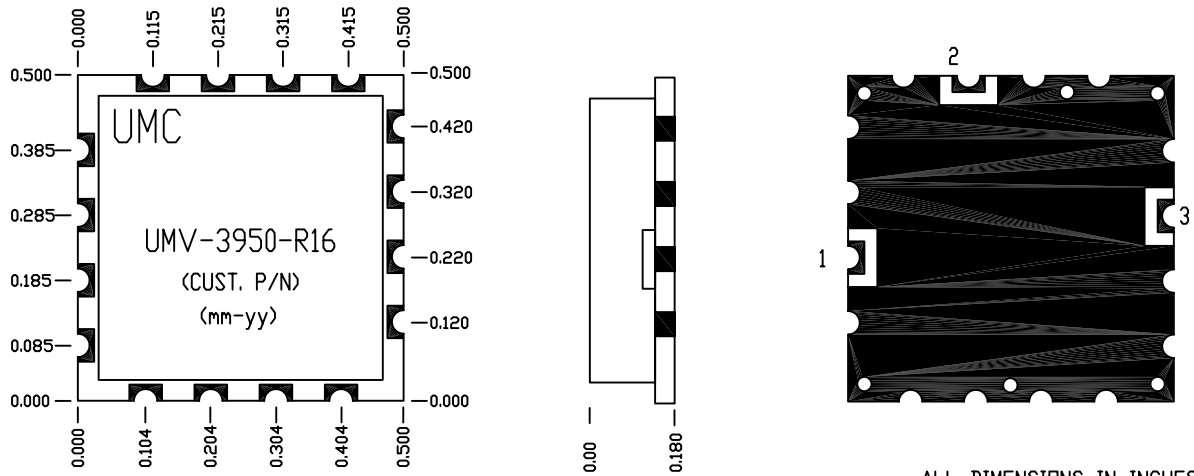




CONFIDENTIAL

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

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF OUT	
2: SUPPLT INPUT	
3: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches

Universal Microwave Corporation  
Proprietary Document

Prepared by: M.BANKS 1/14/05

Engineer:

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.  
SPECIFICATION CONTROL  
DRAWING FOR UMV-3950-R16

SIZE A	FSCM NO.	DWG NO. UP-788	REV B
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	3900		4000
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc		-15	-8
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-77	-72
@ Offset = 10kHz		-102	-97
@ Offset = 100kHz		-122	-117
@ Offset = 1MHz		-142	-137
Pushing, MHz/V		1.5	3
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		1	5
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		45	
Frequency drift with temperature:			
@ -40°C, MHz		10	
@ +85°C, MHz		10	
Supply Voltage, Vdc		+5.0	
Supply Current, mA		27	
Output Power @ V <sub>t</sub> = 0	-2.5		
Tuning Port Capacitance, pF		20	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMV-3950-R16			
Size	A	REV	B
Engineer:	D.LYLE 1/14/05	SHEET 2 OF 2	