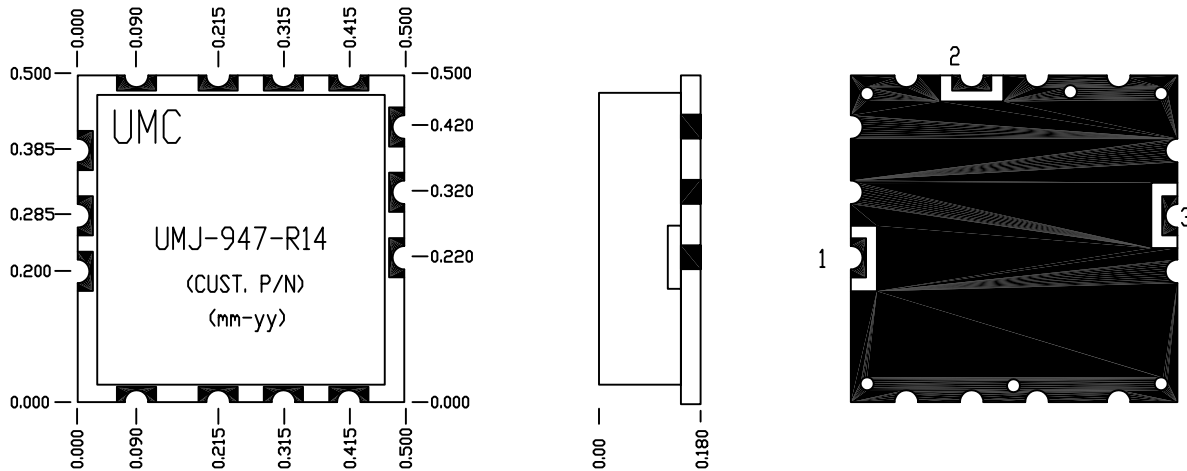


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

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

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMJ-947-R14			
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-947	REV A
Prepared by: M.BANKS 08/12/03	SCALE: N/A		SHEET 1 OF 2	
Engineer:				
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556				

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	240	--	250
Power Output, dBm	+2.0	+4.0	+6.0
Harmonics, dBc	--	-25	-20
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-102	-97
@ Offset = 10kHz	--	-127	-122
@ Offset = 100kHz	--	-147	-142
@ Offset = 1MHz	--	-164	-159
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.2	0.4
Pulling, MHz p-p, @12dB _r , all phases	--	0.1	0.2
Tuning Voltage, Vdc	0.5	--	4.5
Tuning Sensitivity, MHz/V	--	5	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	1	2
@ +85 degrees C, MHz	--	1	2
Supply Voltage, Vdc	--	5.0	--
Supply Current, mA _{dc}	--	15	--
Output Power @ V _{tune} = 0 and 4V	+1.0	--	--
Tuning Port Capacitance, pF	--	220	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	<h1 style="margin: 0;">Universal Microwave Corp.</h1>		
Universal Microwave Corporation Proprietary Document	<h2 style="margin: 0;">SPECIFICATION CONTROL DRAWING FOR UMJ-947-R14</h2>		
Prepared by: M.BANKS 08/19/03	SIZE A	FSCM NO.	DWG NO. UP-947
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		REV A
		SHEET 2 OF 2	