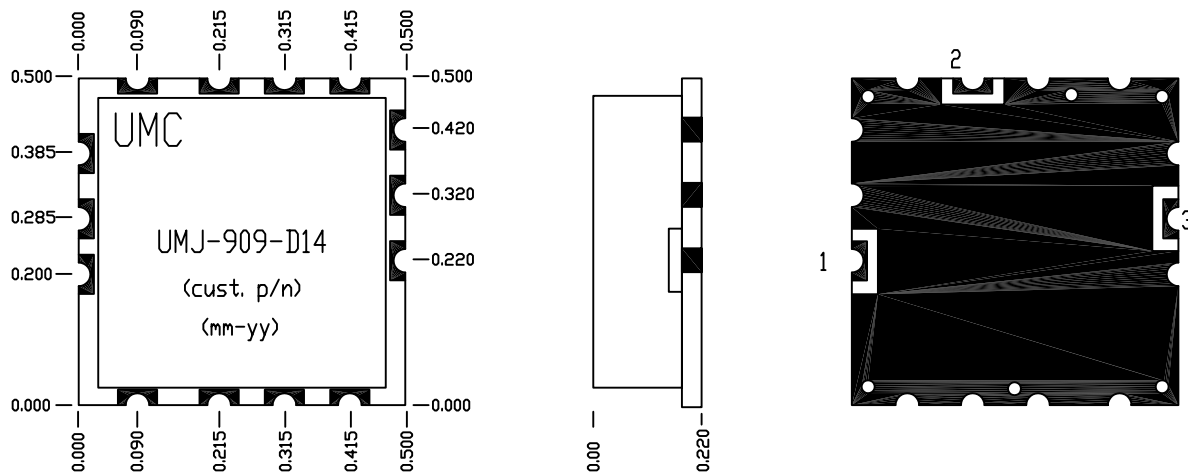


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+5.0
Vtune Voltage, Vdc	+4.5
DC Voltage applied to RF out	+/- 25

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 Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMJ-909-D14		
	Prepared by: M.BANKS 08/19/03 Engineer:	SIZE A	FSCM NO. DWG NO. UP-909
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	SHEET 1 OF 2	

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	270	--	290
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-96	-91
@ Offset = 10kHz	--	-121	-116
@ Offset = 100kHz	--	-141	-136
@ Offset = 1MHz	--	-164	-159
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.5	1.0
Pulling, MHz p-p, @12dB _r , all phases	--	0.5	1.0
Tuning Voltage, Vdc	1.0		4.0
Tuning Sensitivity, MHz/V	--	10	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2	3
@ +85 degrees C, MHz	--	2	3
Supply Voltage, Vdc	--	4.5	--
Supply Current, mA _{dc}	--	17	--
Output Power @ V _{tune} = 0 and 4V	+7.0	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	500	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMJ-909-D14		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-909
Prepared by: M.BANKS 08/19/03			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 1 OF 1