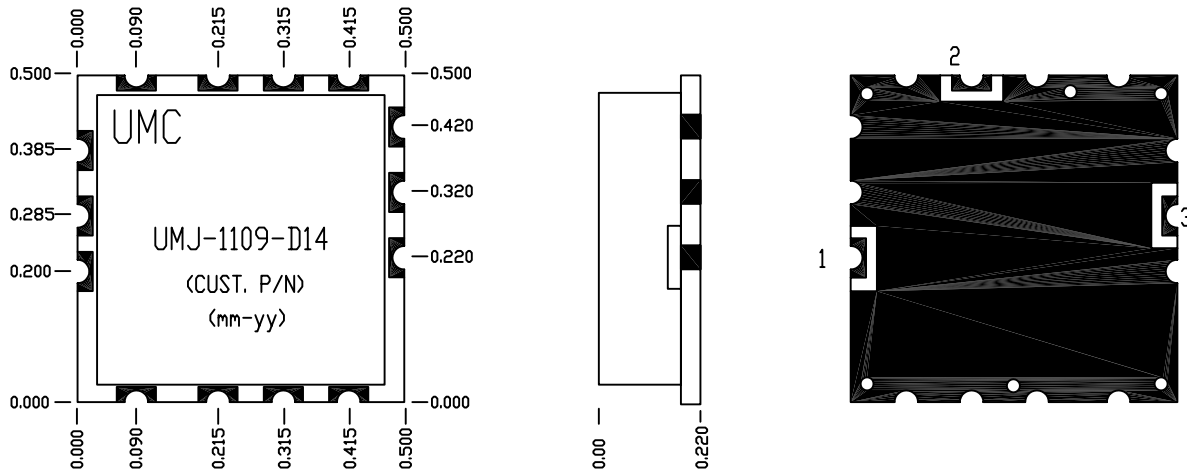


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+11.0
Vtune Voltage, Vdc	+11.0
DC Voltage applied to RF out	+/- 25

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 Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMJ-1109-D14			
	Prepared by: M.BANKS 5/21/04 Engineer:	SIZE A	FSCM NO.	DWG NO. UP-1109
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 1 OF 2	

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	295	--	296
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc	--	-25	-15
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-105	-100
@ Offset = 10kHz	--	-130	-125
@ Offset = 100kHz	--	-150	-145
@ Offset = 1MHz	--	-164	-159
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.1	0.2
Pulling, MHz p-p, @12dB _r , all phases	--	0.4	0.8
Tuning Voltage, Vdc	0	--	+10.0
Tuning Sensitivity, MHz/V	--	1.25	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.8	1.5
@ +85 degrees C, MHz	--	0.8	1.5
Supply Voltage, Vdc	--	+10.0	--
Supply Current, mA _{dc}	--	18	--
Output Power @ V _{tune} = 0 and 5V	0	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	<h2 style="margin: 0;">Universal Microwave Corp.</h2>		
Universal Microwave Corporation Proprietary Document	<h3 style="margin: 0;">SPECIFICATION CONTROL DRAWING FOR UMJ-1109-D14</h3>		
Prepared by: M.BANKS 5/21/04	SIZE A	FSCM NO.	DWG NO. UP-1109
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	REV A	
		SHEET 2 OF 2	