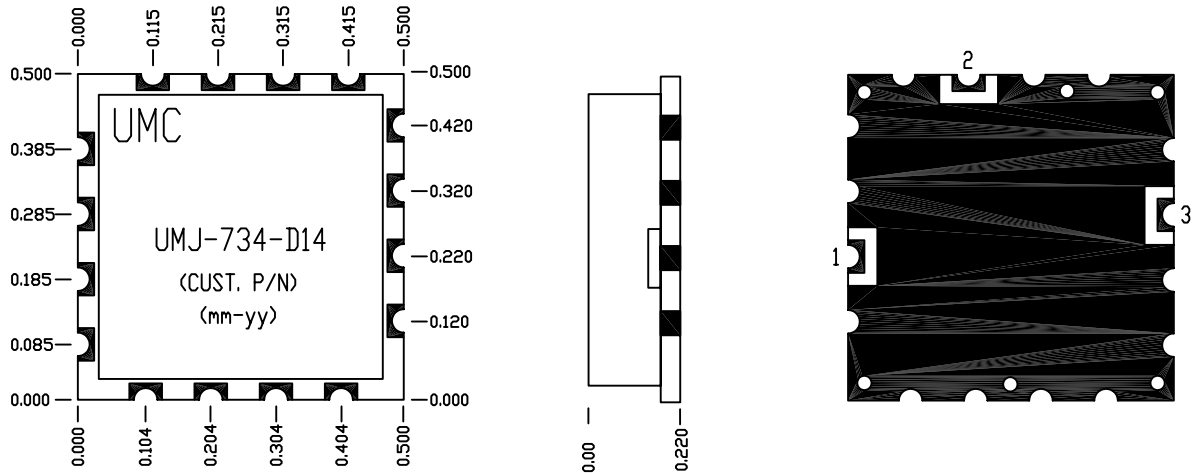


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.5
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 3/4/04
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-734-D14

SIZE
A

FSCM NO.

DWG NO.

UP-734

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	118	--	158.4
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-97	-90
@ Offset = 10kHz	--	-120	-114
@ Offset = 100kHz	--	-140	-134
@ Offset = 1MHz	--	-160	-155
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.05	0.3
Pulling, MHz p-p, @12dBr, all phases	--	0.1	0.3
Tuning Voltage, Vdc	0		+5.0
Tuning Sensitivity, MHz/V	--	10	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.3	1
@ +85 degrees C, MHz	--	0.4	1
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	18	--
Output Power @ V _{tune} = 0 and 5V	+7.0	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMJ-734-D14		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-734
Prepared by: M.BANKS 3/4/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2