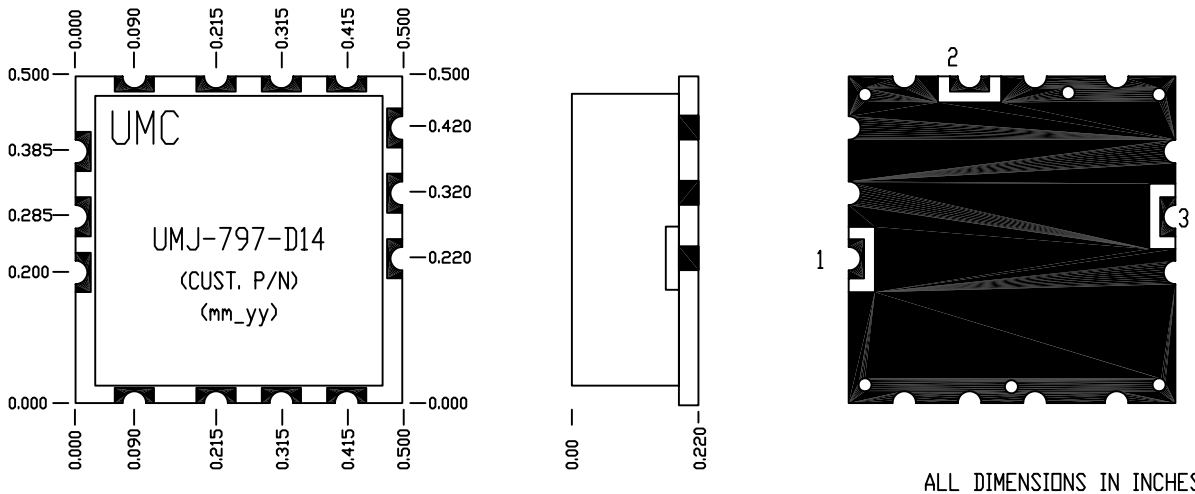


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

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



ALL DIMENSIONS IN INCHES

TABLE 1.2, CONTACT ASSIGNMENTS

CONTACT ASSIGNMENTS:	
1: RF OUTPUT	
2: SUPPLY INPUT	
3: CONTROL VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

Unless otherwise specified, dimensions are in inches

Universal Microwave Corporation
Proprietary Document

Prepared by: M.BANKS 11/12/03

Engineer:

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2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-797-D14

SIZE
A

FSCM NO.

DWG NO.

UP-797

REV
A

SCALE: N/A

SHEET 1 OF 2

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	--	80	--
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-112	-107
@ Offset = 10kHz	--	-137	-132
@ Offset = 100kHz	--	-157	-152
@ Offset = 1MHz	--	-164	-159
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.2	0.5
Pulling, MHz p-p, @12dB _r , all phases	--	0.5	1
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	1	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.5	1
@ +85 degrees C, MHz	--	0.5	1
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	20	23
Output Power @ V _{tune} = 0 and 5V	+5.0	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Information	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMJ-797-D14			
	Prepared by: M.BANKS 11/12/03	SIZE A	FSCM NO.	DWG NO. UP-797
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	