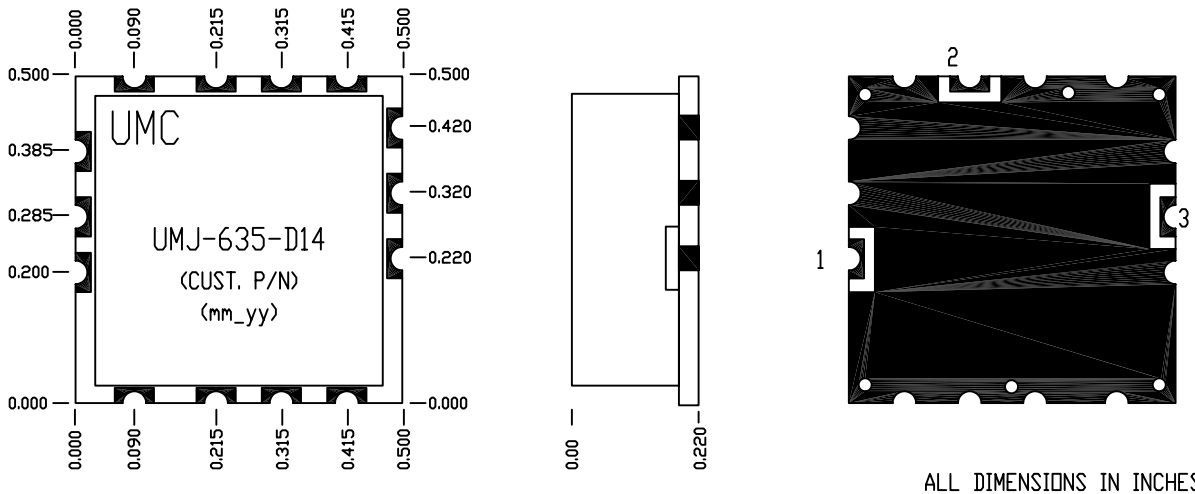


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+13.0
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 12/25/03

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-635-D14

SIZE
A

FSCM NO.

DWG NO.

UP-635

REV
A

SCALE: N/A

SHEET 1 OF 2

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	75	--	105
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	-155
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.1	0.5
Pulling, MHz p-p, @12dBr, all phases	--	0.5	1
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V	--	3	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.4	0.5
@ +85 degrees C, MHz	--	0.4	0.5
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	18	--
Output Power @ V _{tune} = 0 and 12V	+7.0	--	--
Tuning Port Capacitance, pF	--	1000	--
3dB Modulation Bandwidth, kHz	--	100	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches

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SPECIFICATION CONTROL
DRAWING FOR UMJ-635-D14

SIZE A	FSCM NO.	DWG NO. UP-635	REV A
SCALE: N/A		SHEET 2 OF 2	