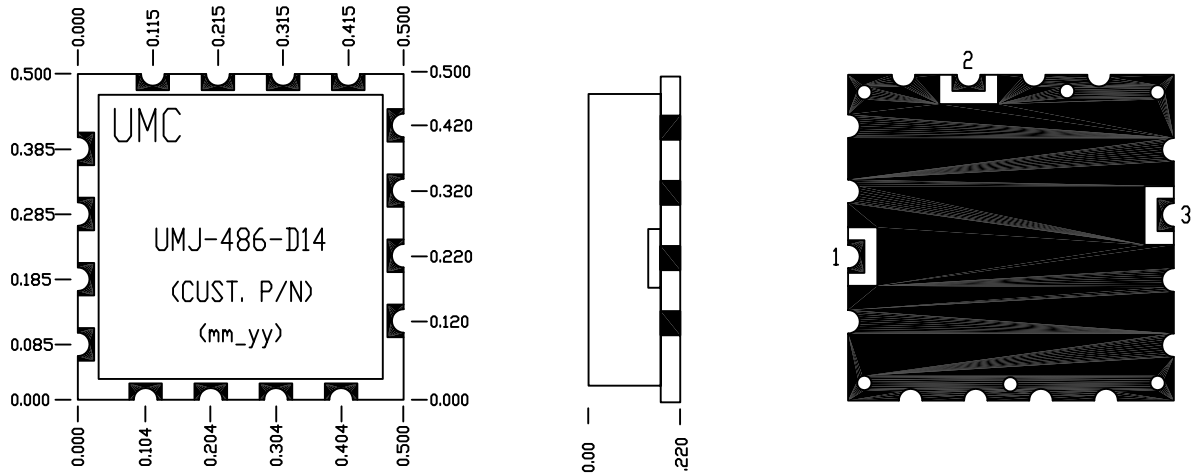


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

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 OUT	
2: SUPPLY INPUT	
3: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

Unless otherwise specified, dimensions are in inches

Universal Microwave Corporation
Proprietary Document

Prepared by: MBANKS 07/25/03

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-486-D14

SIZE
A

FSCM NO.

DWG NO.

UP-486

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	220	--	250
Power Output, dBm	+7	+9	+11
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-95	-90
@ Offset = 10kHz	--	-120	-115
@ Offset = 100kHz	--	-140	-135
@ Offset = 1MHz	--	-160	-155
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.4	0.5
Pulling, MHz p-p, @12dB _r , all phases	--	1	3
Tuning Voltage, Vdc	1	--	10
Tuning Sensitivity, MHz/V	--	4.5	--
Frequency drift with temperature	--	--	--
@ -40 degrees C, MHz	--	2	4
@ +85 degrees C, MHz	--	2	4
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	15	--
Output Power @ V _{tune} = 0 and 10V	+7	--	--
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-486-D14		
Universal Microwave Corporation Proprietary Information	SIZE A	FSCM NO.	DWG NO. UP-486
Prepared by: M.BANKS 07/25/03			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2