

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	+6
Vtune Voltage, Vdc	+15
DC Voltage applied to RF out	+/- 25

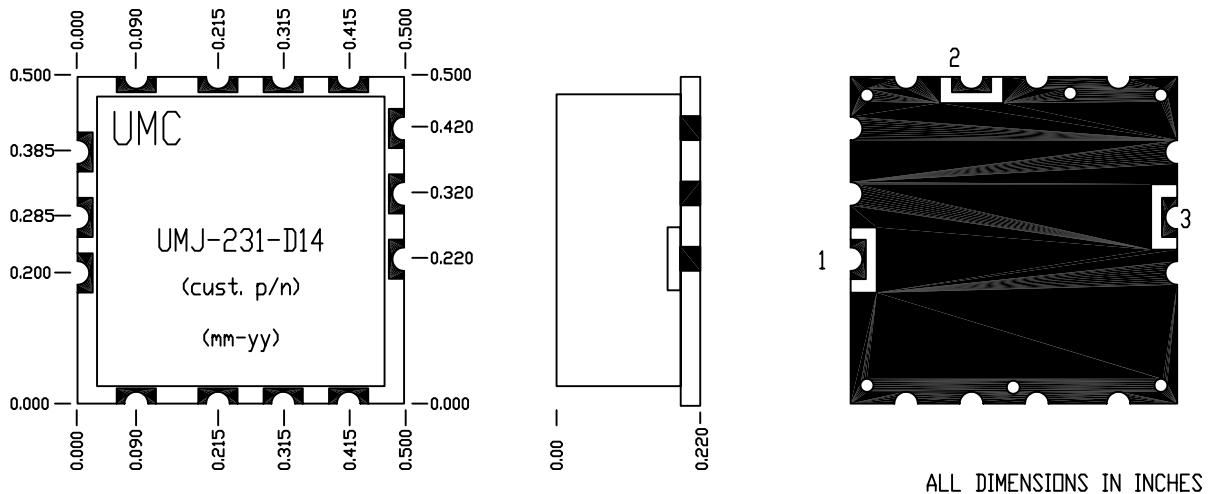


TABLE 1.2, CONTACT ASSIGNMENTS

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

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Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-231-D14

SIZE A	FSCM NO.	DWG NO. UP-231	REV A
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SCALE N/A	SHEET 1 OF 2
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	MIN.	TYP.	MAX.
Frequency, MHz	183		219
Power Output, dBm	7	9	11
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-100	-95
@ Offset = 10kHz	--	-125	-120
@ Offset = 100kHz	--	-145	-140
@ Offset = 1MHz	--	-164	-155
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.1	0.5
Pulling, MHz p-p, @12dB _r , all phases	--	1	2
Tuning Voltage, Vdc	1		12
Tuning Sensitivity, MHz/V	--	5	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.5	--
@ +85 degrees C, MHz	--	0.5	--
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	22	--
Output Power @ V _{tune} = 0 and 12V	5	--	--
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-231-D14		
Prepared by: M.BANKS 5-10-04	SIZE A	FSCM NO.	DWG NO. UP-231
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE		REV X
			SHEET