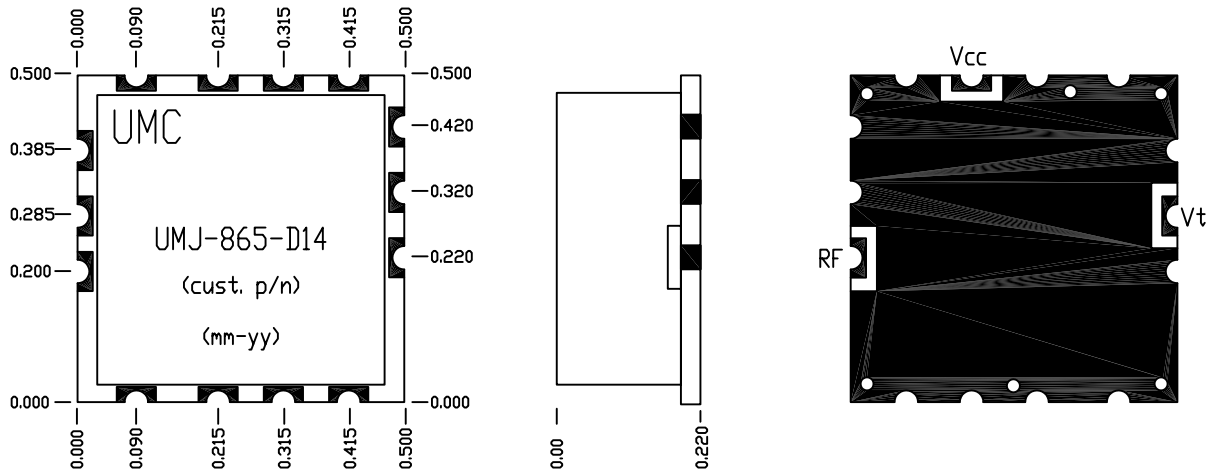


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+6
Vtune Voltage, Vdc	+6
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF Out	
2: Vcc	
3: V-tune	
All other contacts are Ground	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMJ-865-D14			
	Prepared by: M.BANKS 05/05/03	SIZE A	FSCM NO.	DWG NO. UP-865
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	DATE: 05/05/03	SHEET	

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	270		330
Power Output, dBm	+7	+9	+11
Harmonics, dBc	--	-20	-12
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-90	-85
@ Offset = 10kHz	--	-115	-110
@ Offset = 100kHz	--	-135	-130
@ Offset = 1MHz	--	-155	-150
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	0.5	1
Pulling, MHz p-p, @12dBr, all phases	--	0.2	0.5
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	24	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	1	--
@ +85 degrees C, MHz	--	1	--
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	18	--
Output Power @ V _{tune} = 0 and 5V	+7	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	500	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches

Universal Microwave Corporation
Proprietary Document

Prepared by: M.BANKS 05/05/03

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMJ-865-D14

SIZE
A

FSCM NO.

DWG NO.

UP-865

REV
A

SCALE

DATE: 05/05/03

SHEET 1 OF 1