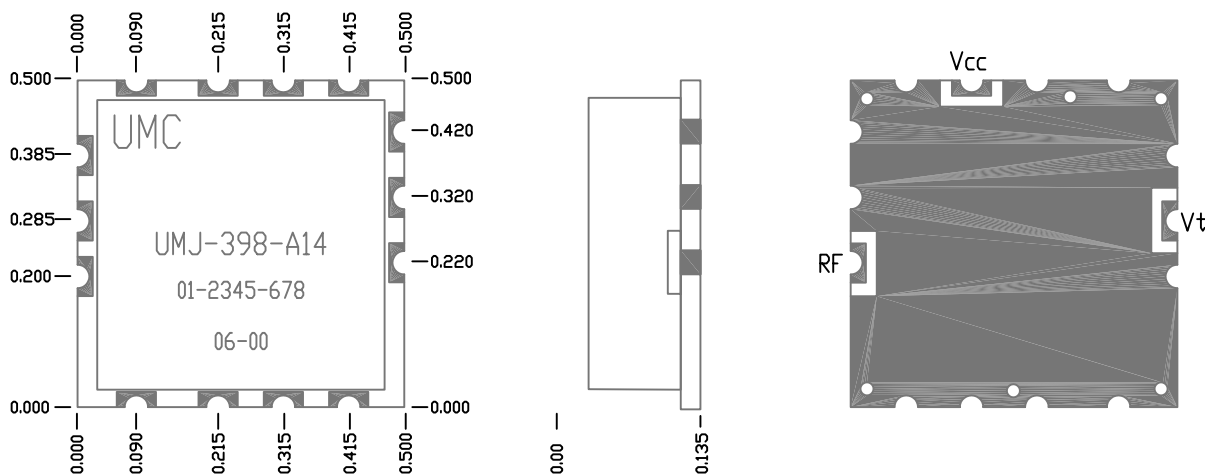


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+6
Vtune Voltage, Vdc	+15
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF OUTPUT	
2: SUPPLY INPUT	
3: CONTROL VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches File = /P398/SCD1-398.DWG	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMJ-398-A14			
Prepared by: Lisa Lyle Date: 8-14-02	SIZE A	FSCM NO.	DWG NO. UP-398	REV X
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	SHEET		

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	29		31
Power Output, dBm	+7	+9	+11
Harmonics, dBc	--	-25	-20
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-112	-107
@ Offset = 10kHz	--	-138	-133
@ Offset = 100kHz	--	-158	-153
@ Offset = 1MHz	--	-164	-155
@ Offset = 10MHz	--	-164	-155
Pushing, MHz/V	--	.02	.2
Pulling, MHz p-p, @12dB _r , all phases	--	0.1	0.5
Tuning Voltage, Vdc	1		10
Tuning Sensitivity, MHz/V	--	1.0	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	0.1	--
@ +85 degrees C, MHz	--	0.1	--
Supply Voltage, Vdc	--	+5	--
Supply Current, mA _{dc}	--	18	--
Output Power @ V _{tune} = 0 and 10V	+5	--	--
Tuning Port Capacitance, pF	--	330	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
 dimensions are in inches
 File = /P398/SCD398.DWG

Universal Microwave Corp.

SPECIFICATION CONTROL
 DRAWING FOR UMJ-398-A14

Prepared by: Lisa Lyle Date: 8-14-02

SIZE
A

FSCM NO.

DWG NO.

UP-398

REV
X

Universal Microwave Corporation
 2339 Destiny Way
 Odessa, FL 33556

SCALE

SHEET