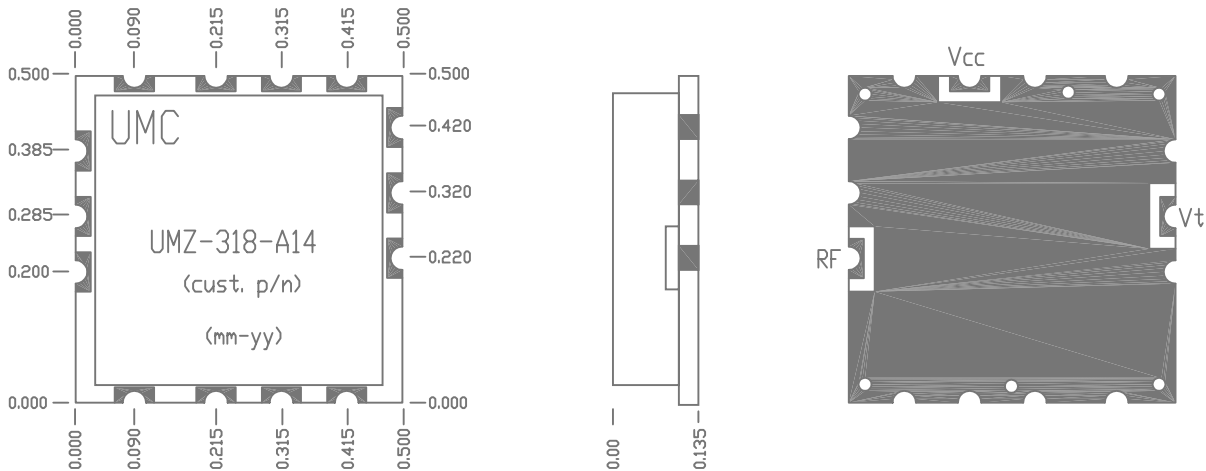


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

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

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

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

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches File = /P318/SOURCE/SCD1.DWG	Universal Microwave Corp.			
	SPECIFICATION CONTROL FOR UMZ-318-A14			
Prepared by: Jan Adams Date: 05-15-02	SIZE A	FSCM NO.	DWG NO. UP-318	REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE	SHEET		

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

	MIN.	TYP.	MAX.
Frequency, MHz	780		800
Power Output, dBm	+4	+6	+8
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-77	-74
@ Offset = 10kHz	--	-103	-100
@ Offset = 100kHz	--	-123	-120
@ Offset = 1MHz	--	-143	-140
@ Offset = 10MHz	--	-155	-150
Pushing, MHz/V	--	0.3	1
Pulling, MHz p-p, @12dB _r , all phases	--	0.6	1.2
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	17	20	23
Frequency drift with temperature			
@ -40 degrees C, MHz	--	2.5	4
@ +85 degrees C, MHz	--	2.5	4
Supply Voltage, Vdc	--	5.0	6.0
Supply Current, mA _{dc}	10	13	16
Output Power @ V _{tune} = 0 and 5V	+3	--	--
Tuning Port Capacitance, pF	--	100	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches File = /P318/SOURCE/SCD.DWG	<h1 style="margin: 0;">Universal Microwave Corp.</h1>			
	<h2 style="margin: 0;">SPECIFICATION CONTROL FOR UMZ-318-A14</h2>			
Prepared by: Jan Adams Date: 05-15-02	SIZE A	FSCM NO.	DWG NO. UP-318	REV X
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE			SHEET