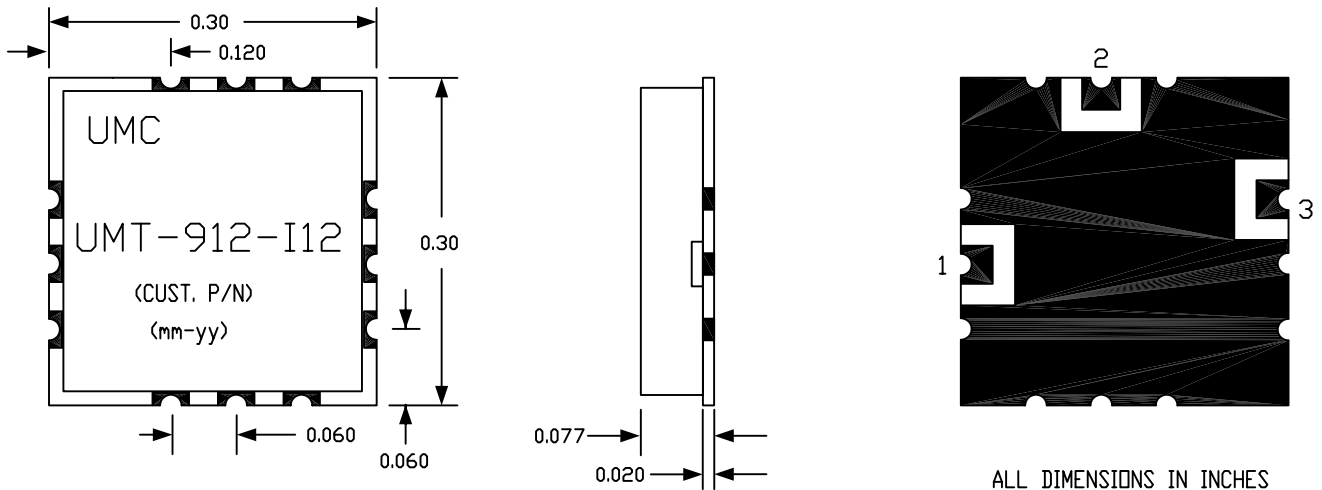


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+3.3
Vtune Voltage, Vdc	+3.3
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



Contact Assignments:	
1: RF OUT	
2: SUPPLY INPUT	
3: TUNING VOLTAGE INPUT	
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 UMT-912-I12			
	Prepared by: M.BANKS 06/16/03	SIZE A	FSCM NO.	DWG NO. UP-912
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	DATE: 06/16/03	SHEET 1 OF 2	

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	3900	--	4200
Power Output, dBm	-10	-5	0.0
Harmonics, dBc	--	-12	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-62	-57
@ Offset = 10kHz	--	-88	-83
@ Offset = 100kHz	--	-108	-103
@ Offset = 1MHz	--	-128	-123
@ Offset = 10MHz	--	-148	-143
Pushing, MHz/V	--	10	20
Pulling, MHz p-p, @12dB _r , all phases	--	3	6
Tuning Voltage, Vdc	0.3		2.8
Tuning Sensitivity, MHz/V	--	160	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	30	35
@ +85 degrees C, MHz	--	30	35
Supply Voltage, Vdc	--	2.8	--
Supply Current, mA _{dc}	--	13	--
Output Power @ V _{tune} = 0 and 3.0V	-10	--	--
Tuning Port Capacitance, pF	--	10	--
3dB Modulation Bandwidth, kHz	--	10000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches

Universal Microwave Corporation
Proprietary Document

Prepared by: M.BANKS 06/17/03

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMT-912-I12

SIZE
A

FSCM NO.

DWG NO.

UP-912

REV
A

SCALE: N/A

DATE: 06/17/03

SHEET 1 OF 1