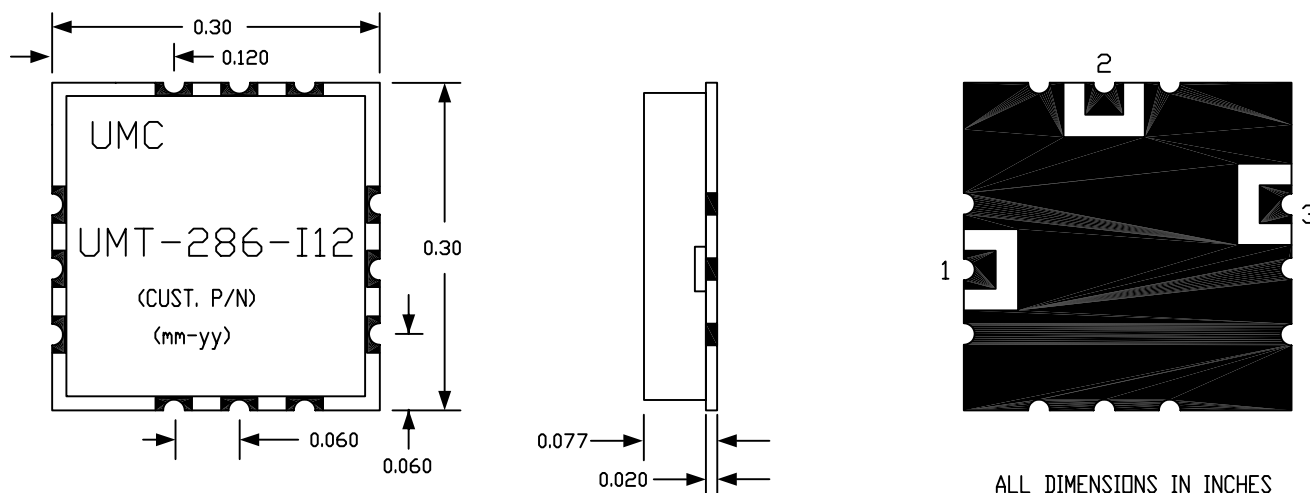




CONFIDENTIAL

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+3.8
Vtune Voltage, Vdc	+3.5
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

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

Prepared by: M.BANKS 07/14/03

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMT-286-I12

SIZE
A

FSCM NO.

DWG NO.

UP-286

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	4715		4855
Power Output, dBm	-4.0	-2.0	0
Harmonics, dBc		-15	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-60	-55
@ Offset = 10kHz		-88	-83
@ Offset = 100kHz		-110	-105
@ Offset = 1MHz		-130	-125
@ Offset = 1MHz		-150	-145
Pushing, MHz/V		5	9
Pulling, MHz p-p, @12dB _r , all phases		15	25
Tuning Voltage, Vdc	0		3.0
Tuning Sensitivity, MHz/V		95	
Frequency drift with temperature:			
@ -40°C, MHz		9.5	14
@ +85°C, MHz		8.5	12
Supply Voltage, Vdc		+3.3	
Supply Current, mA		18	
Output Power @ $V_t = 0$ and 3V	-4.0		
Tuning Port Capacitance, pF		20	
3dB Modulation Bandwidth, kHz		20000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMT-286-I12			
Size	A	REV	A
Engineer: PJE 7/21/02		SHEET 2 OF 2	