

CONFIDENTIAL

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

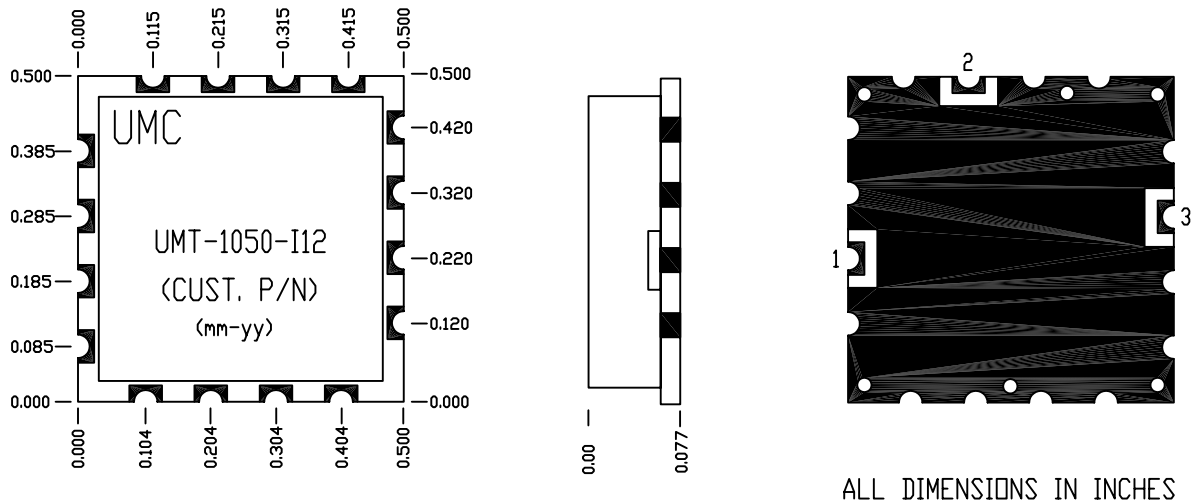


TABLE 1.2, CONTACT ASSIGNMENTS

CONTACT ASSIGNMENTS:	
1: RF OUT	
2: SUPPLY INPUT	
3: TUNING VOLTAGE INPUT	
ALL OTHER CONTACTS ARE GROUND	

Unless otherwise specified, dimensions are in inches

Universal Microwave Corporation
Proprietary Document

Prepared by: M.BANKS 2/6/04

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2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL DRAWING FOR UMT-1050-I12

SIZE
A

FSCM NO.

DWG NO.

UP-1050

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	--	6800	--
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-61	-56
@ Offset = 10kHz	--	-87	-82
@ Offset = 100kHz	--	-107	-102
@ Offset = 1MHz	--	-127	-122
@ Offset = 10MHz	--	-147	-142
Pushing, MHz/V	--	2.5	5
Pulling, MHz p-p, @12dB _r , all phases	--	2.0	5
Tuning Voltage, Vdc	+0.5	+6.0	+4.5
Tuning Sensitivity, MHz/V	--	50	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	29	1.2
@ +85 degrees C, MHz	--	29	1.2
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	22	--
Output Power @ V _{tune} = 0 and 5V	-3.0	--	--
Tuning Port Capacitance, pF	--	10	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Information	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMT-1050-I12		
	Prepared by: M.BANKS1/19/04	SIZE A	FSCM NO. DWG NO. UP-1050
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2