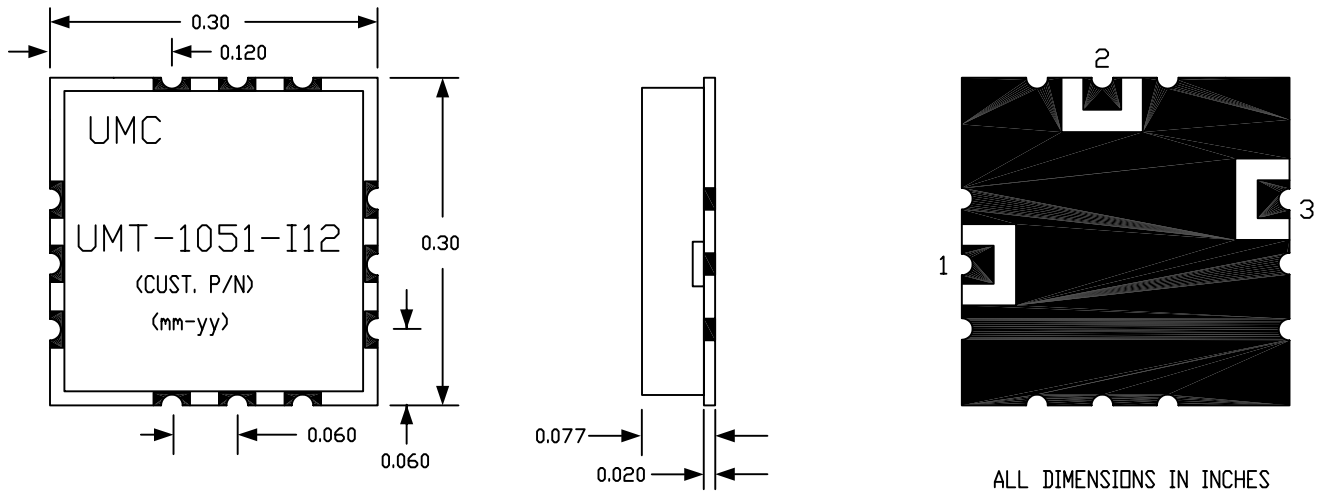


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+7.0
DC Voltage applied to RF out	+/- 25

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 2/10/04 Engineer: Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMT-1051-I12			
	SIZE A	FSCM NO.	DWG NO. UP-1051	REV A
	SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	7150	--	7550
Power Output, dBm	-4.0	0	+3.0
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-55	-50
@ Offset = 10kHz	--	-83	-78
@ Offset = 100kHz	--	-103	-98
@ Offset = 1MHz	--	-123	-118
@ Offset = 10MHz	--	-143	-138
Pushing, MHz/V	--	3	6
Pulling, MHz p-p, @12dBr, all phases	--	3	6
Tuning Voltage, Vdc	+0.5	--	+6.0
Tuning Sensitivity, MHz/V	--	85	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	35	--
@ +85 degrees C, MHz	--	35	--
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	25	--
Output Power @ V _{tune} = 0 and 5V	-4.0	--	--
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-1051-I12			
	Prepared by: M.BANKS 2/10/04	SIZE A	FSCM NO.	DWG NO. UP-1051
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	