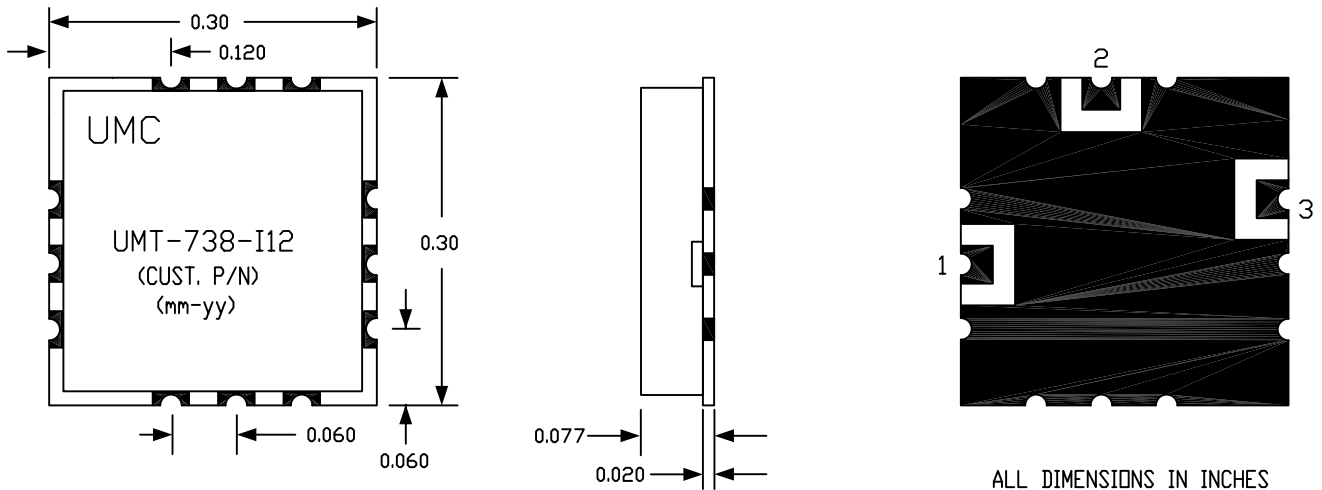


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+3.5
Vtune Voltage, Vdc	+3.1
DC Voltage applied to RF out	+/- 25

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-738-I12				
	Prepared by: M.BANKS 11/12/03	SIZE A	FSCM NO.	DWG NO. UP-738	REV A
	Engineer:	SCALE: N/A		SHEET 1 OF 2	
	Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556				

	MIN.	TYP.	MAX.
Frequency, MHz	3760	--	3930
Power Output, dBm	-3.0	0	+3.0
Harmonics, dBc	--	-18	-12
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-63	-58
@ Offset = 10kHz	--	-90	-85
@ Offset = 100kHz	--	-110	-105
@ Offset = 1MHz	--	-130	-125
@ Offset = 10MHz	--	-150	-145
Pushing, MHz/V	--	5	10
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases	--	5	10
Tuning Voltage, Vdc	0.2		2.6
Tuning Sensitivity, MHz/V	--	120	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	30	50
@ +85 degrees C, MHz	--	30	50
Supply Voltage, Vdc	+2.8	+3.0	+3.2
Supply Current, mA <sub>dc</sub>	--	20	--
Output Power @ V <sub>tune</sub> = 0 and 2.6V	-3.0	--	--
Tuning Port Capacitance, pF	--	10	--
3dB Modulation Bandwidth, kHz	--	5000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches  Universal Microwave Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMT-738-I12			
	Prepared by: M.BANKS 07/02/03	SIZE A	FSCM NO.	DWG NO. UP-738
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 1 OF 1	