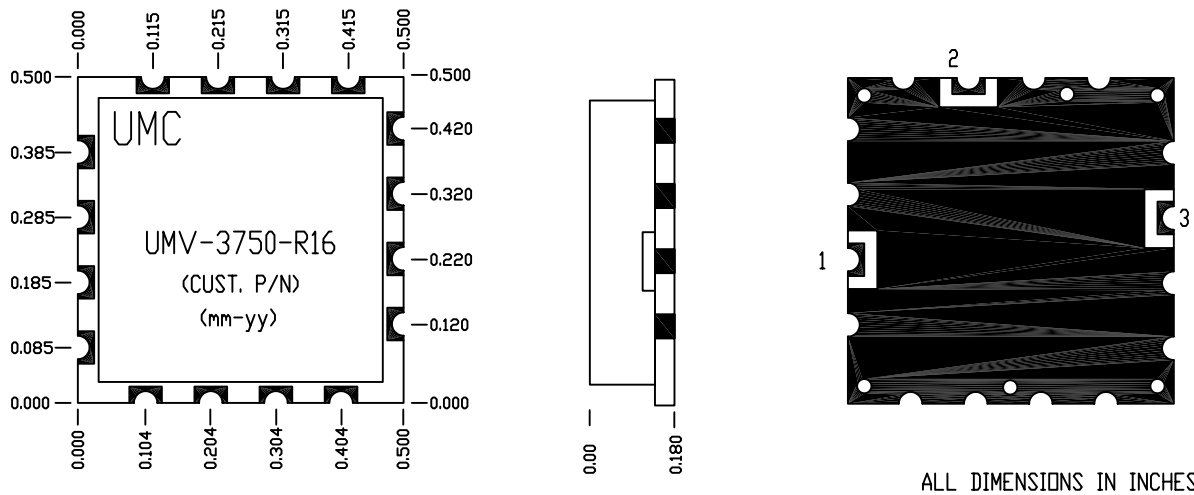


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

Contact Assignments:	
1: RF OUT	
2: SUPPLT 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 UMV-3750-R16				
	Prepared by: M.BANKS 06/24/03	SIZE A	FSCM NO.	DWG NO. UP-786	REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	DATE: 06/24/03	SHEET 1 OF 2		

CONFIDENTIAL

	MIN.	TYP.	MAX.
Frequency, MHz	3700		3800
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-77	-72
@ Offset = 10kHz	--	-103	-98
@ Offset = 100kHz	--	-123	-118
@ Offset = 1MHz	--	-143	-138
@ Offset = 10MHz	--	-163	-155
Pushing, MHz/V	--	1.5	3
Pulling, MHz p-p, @12dB _r , all phases	--	4	5
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	36	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	8	--
@ +85 degrees C, MHz	--	8	--
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	25	--
Output Power @ V _{tune} = 0 and 5V	-3.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMV-3750-R16		
Universal Microwave Corporation Proprietary Information	SIZE A	FSCM NO.	DWG NO. UP-786
Prepared by: M.BANKS 06/24/03			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	DATE: 06/24/03	SHEET 2 OF 2