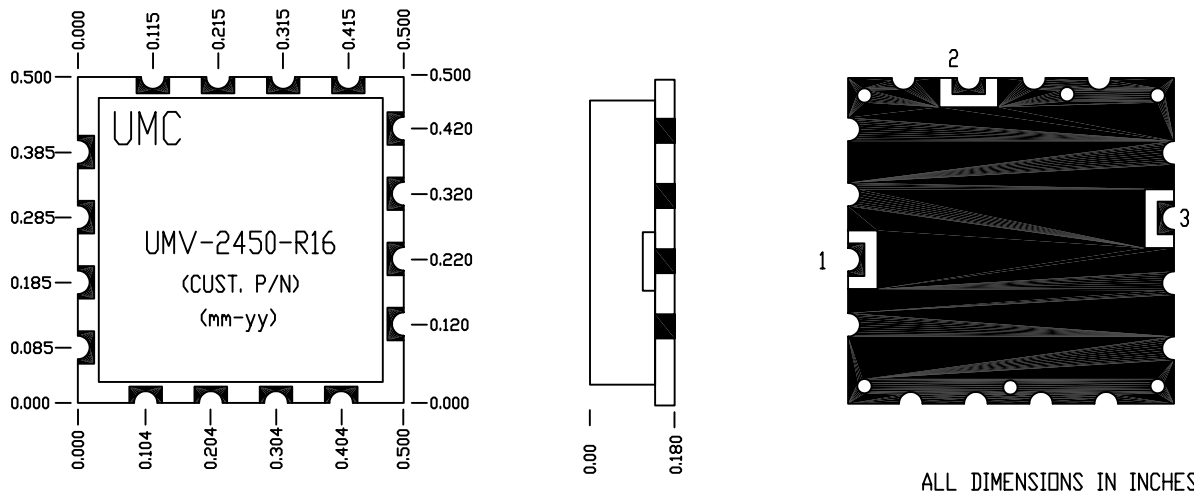


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

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 Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMV-2450-R16			
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-773	REV A
Prepared by: M.BANKS 06/24/03	SCALE: N/A		DATE: 06/24/03	SHEET 1 OF 2
Engineer:				
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556				

	MIN.	TYP.	MAX.
Frequency, MHz	2400		2500
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-80	-75
@ Offset = 10kHz	--	-105	-100
@ Offset = 100kHz	--	-125	-120
@ Offset = 1MHz	--	-145	-140
@ Offset = 10MHz	--	-154	-149
Pushing, MHz/V	--	1.0	2.0
Pulling, MHz p-p, @12dB _r , all phases	--	1.0	2.0
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	36	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	8	12
@ +85 degrees C, MHz	--	8	12
Supply Voltage, Vdc	--	5	--
Supply Current, mA _{dc}	--	26	--
Output Power @ V _{tune} = 0 and 4.5V	-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-2450-R16		
Universal Microwave Corporation Proprietary Information	SIZE A	FSCM NO.	DWG NO. UP-773
Prepared by: M.BANKS 06/24/03	SCALE: N/A		REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	DATE: 06/24/03		SHEET 2 OF 2