



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

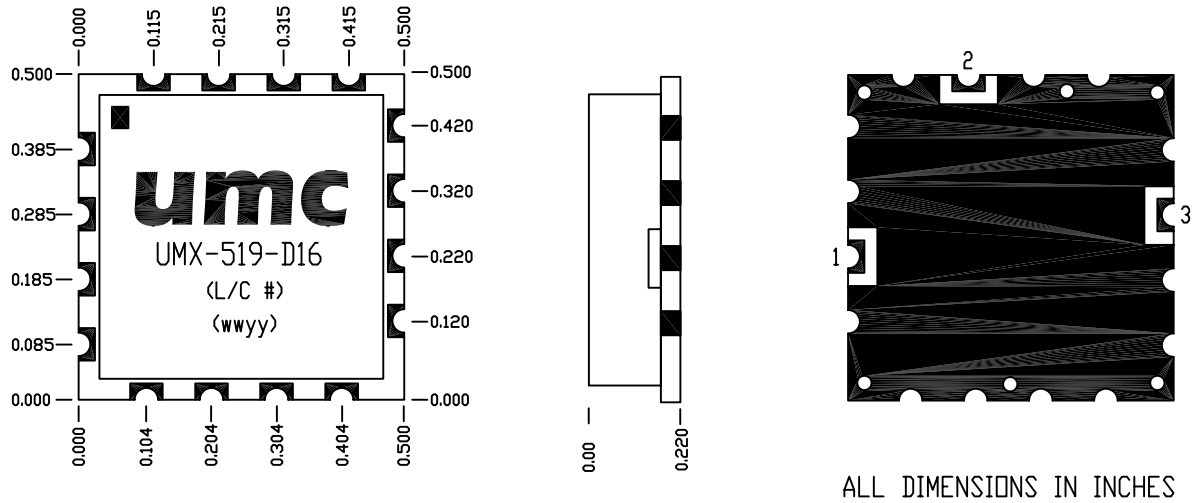


TABLE 1.2, CONTACT ASSIGNMENTS

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

Unless otherwise specified, dimensions are in inches
 TOLERANCES
 .X =+/-0.1
 .XX =+/-0.01
 .XXX =+/-0.005
 ANG =+/-2°
 Universal Microwave Corporation
 Proprietary Information
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Universal Microwave Corp.

SPECIFICATION CONTROL
 DRAWING FOR UMX-519-D16

SIZE A	FSCM NO.	DWG NO. UP-519	REV A
SCALE N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	1450		1500
Power Output, dBm	+5.0	+7.0	+9.0
Harmonics, dBc		-15	-10
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-90	-86
@ Offset = 10kHz		-115	-112
@ Offset = 100kHz		-135	-132
@ Offset = 1MHz		-155	-152
@ Offset = 10MHz		-164	-159
Pushing, MHz/V		0.2	0.6
Pulling, MHz p-p, @12dB _r , all phases		2	4
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		19	
Frequency drift with temperature:			
@ -40°C, MHz		2.5	3.5
@ +85°C, MHz		2.5	3.5
Supply Voltage, Vdc		+5.0	
Supply Current, mA		27	
Output Power @ $V_t = 0$ and 5V	+4.0		
Tuning Port Capacitance, pF		65	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMX-519-D16			
Size	A		REV A
Engineer: T. Kraus 7/5/05		SHEET 2 OF 2	