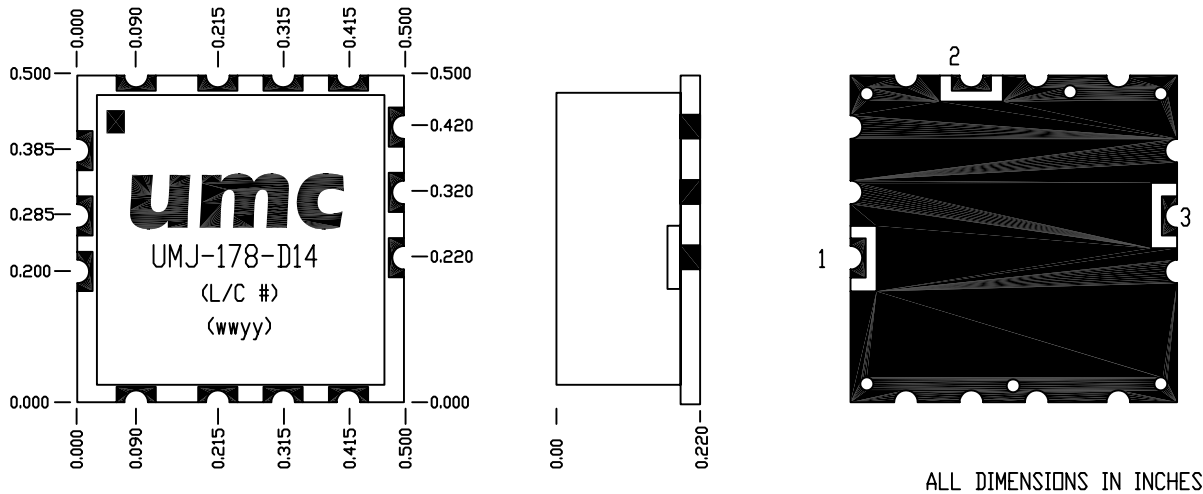




CONFIDENTIAL

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	+13.0
DC Voltage applied to RF out	+/- 25



ALL DIMENSIONS IN INCHES

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 =+/- .1
 .XX =+/- .01
 .XXX =+/- .005
 ANG =+/- 2°
 Universal Microwave Corporation
 Proprietary Document

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Universal Microwave Corp.
 SPECIFICATION CONTROL
 DRAWING FOR UMJ-178-D14

SIZE A	FSCM NO.	DWG NO. UP-178	REV C
SCALE: N/A		SHEET 1 OF 2	

	MIN.	TYP.	MAX.
Frequency, MHz	202.7		209
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc		-20	-17
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-107	-102
@ Offset = 10kHz		-132	-127
@ Offset = 100kHz		-152	-147
@ Offset = 1MHz		-164	-155
Pushing, MHz/V		0.1	.3
Pulling, MHz p-p, @12dB _r , all phases		0.5	1.0
Tuning Voltage, Vdc	+1.0		+12.0
Tuning Sensitivity, MHz/V		1.3	
Frequency drift with temperature:			
@ -40°C, MHz		0.4	
@ +85°C, MHz		0.4	
Supply Voltage, Vdc		+5.0	
Supply Current, mA		18	
Output Power @ $V_t = 0$	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		1000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMJ-178-D14			
Size	A	REV	C
Engineer: PJE		SHEET 2 OF 2	