

# 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

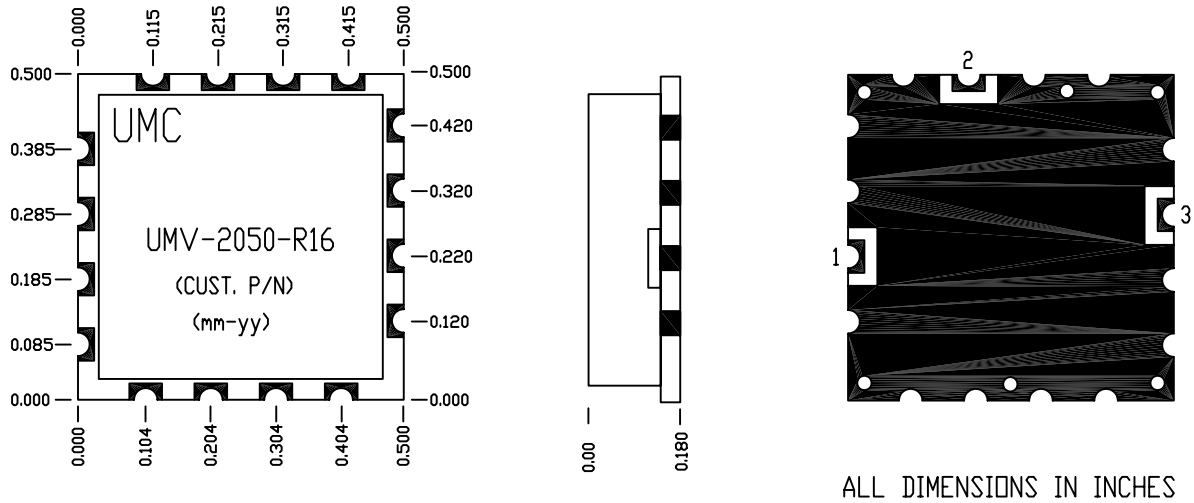


TABLE 1.2, CONTACT ASSIGNMENTS

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

Unless otherwise specified, dimensions are in inches

Universal Microwave Corporation  
Proprietary Document

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## Universal Microwave Corp.

### SPECIFICATION CONTROL DRAWING FOR UMV-2050-R16

SIZE A	FSCM NO.	DWG NO. UP-769	REV A
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SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	2000		2100
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-80	-76
@ Offset = 10kHz	--	-106	-101
@ Offset = 100kHz	--	-126	-121
@ Offset = 1MHz	--	-146	-141
@ Offset = 10MHz	--	-164	-159
Pushing, MHz/V	--	1	2
Pulling, MHz p-p, @12dBr, all phases	--	1	2
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V	--	36	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	6	10
@ +85 degrees C, MHz	--	6	10
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mAdc	--	26	31
Output Power @ Vtune = 0 and 4.5V	-3.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

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Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 1 OF 2	