

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

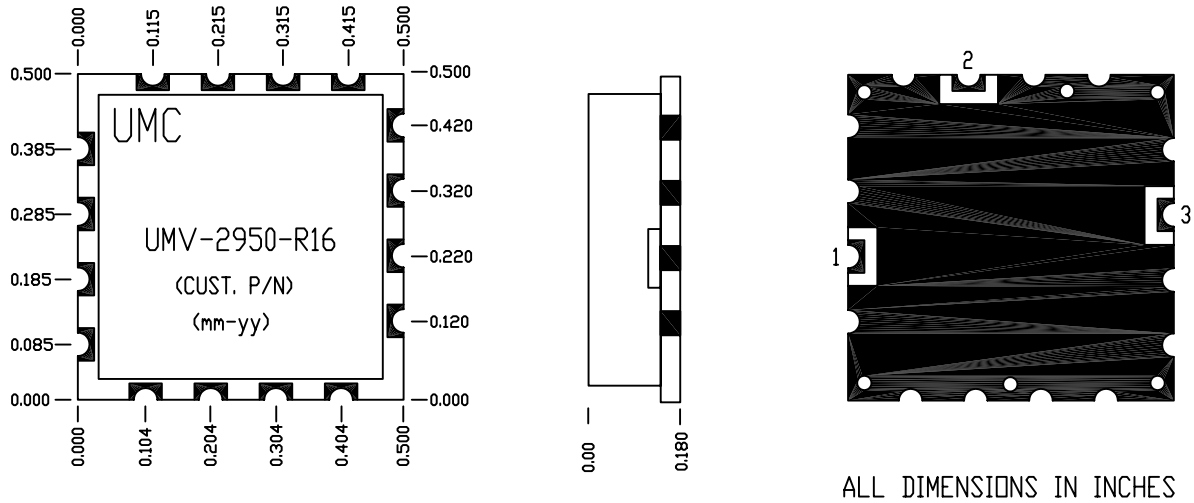


TABLE 1.2, CONTACT ASSIGNMENTS

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

Prepared by: M.Banks 2/6/04

Engineer:

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2339 Destiny Way
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Universal Microwave Corp.

SPECIFICATION CONTROL DRAWING FOR UMV-2950-R16

SIZE
A

FSCM NO.

DWG NO.

UP-778

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	2900		3000
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-78	-73
@ Offset = 10kHz	--	-103	-98
@ Offset = 100kHz	--	-123	-118
@ Offset = 1MHz	--	-143	-138
@ Offset = 10MHz	--	-163	-158
Pushing, MHz/V	--	1	2
Pulling, MHz p-p, @12dB _r , all phases	--	2	3
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	--	+5.0	--
Supply Current, mA _{dc}	--	27	--
Output Power @ V _{tune} = 0 and 4.5V	-2.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMV-2950-R16			
	Prepared by: M.BANKS 1/21/04	SIZE A	FSCM NO.	DWG NO. UP-778
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