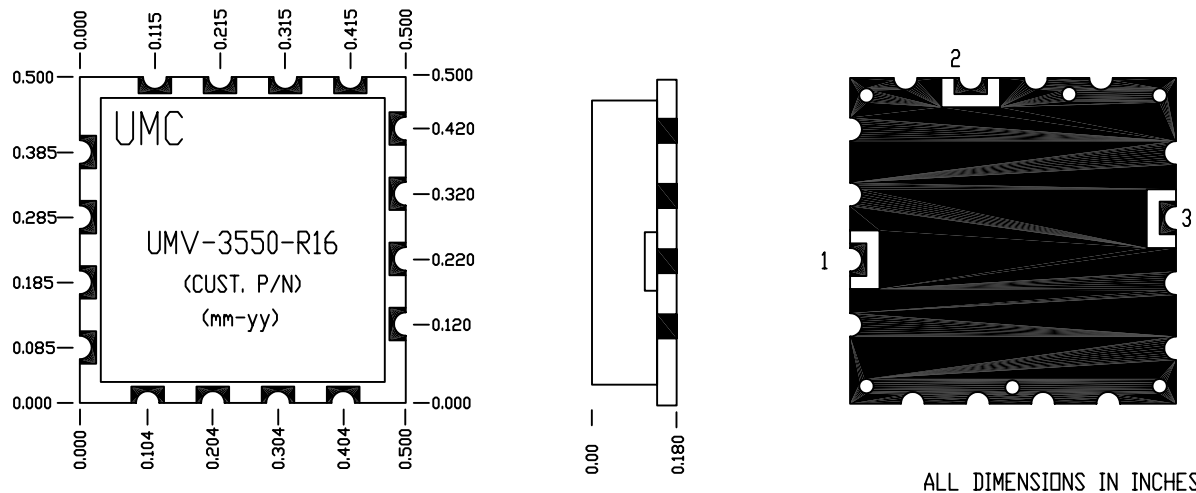


CONFIDENTIAL

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



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 Corporation
Proprietary Document

Prepared by: M.BANKS 06/24/03

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMV-3550-R16

SIZE
A

FSCM NO.

DWG NO.

UP-784

REV
A

SCALE: N/A

DATE: 06/24/03

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	3500		3600
Power Output, dBm	-2.5	0	+2.5
Harmonics, dBc	--	-20	-10
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-77	-72
@ Offset = 10kHz	--	-104	-99
@ Offset = 100kHz	--	-124	-119
@ Offset = 1MHz	--	-144	-139
@ Offset = 10MHz	--	-154	-149
Pushing, MHz/V	--	1	3
Pulling, MHz p-p, @12dBr, all phases	--	2	4
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	36	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	8	
@ +85 degrees C, MHz	--	8	
Supply Voltage, Vdc	--	5	--
Supply Current, mAdc	--	26	--
Output Power @ Vtune = 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

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SHEET 2 OF 2