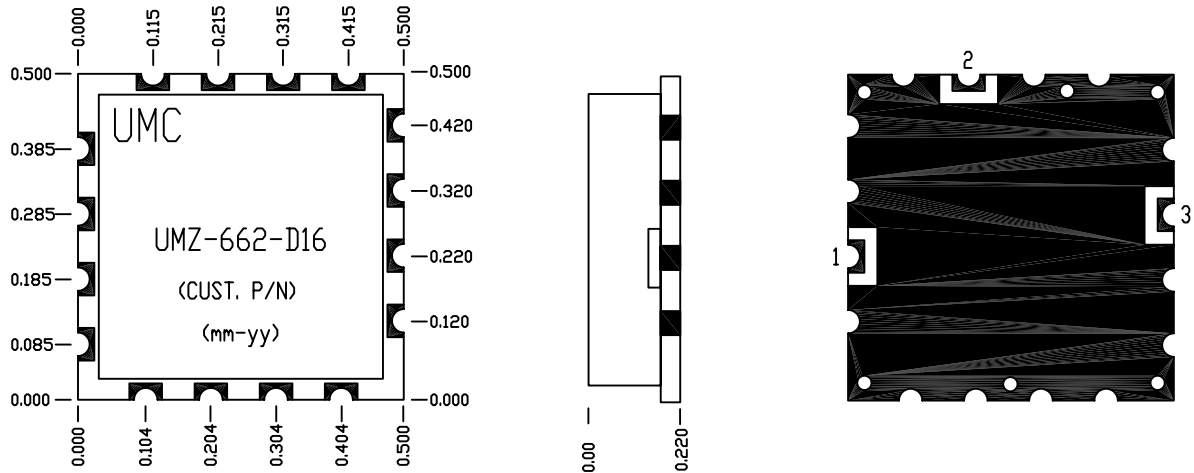


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.5
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

Universal Microwave Corporation
Proprietary Information

Prepared by: M.BANKS 12/10/03
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-662-D16

SIZE
A

FSCM NO.

DWG NO.

UP-662

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	390	--	520
Power Output, dBm	+2.5	+5.0	+7.5
Harmonics, dBc	--	-17	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-82	-77
@ Offset = 10kHz	--	-110	-105
@ Offset = 100kHz	--	-130	-125
@ Offset = 1MHz	--	-150	-145
@ Offset = 10MHz	--	-164	-159
Pushing, MHz/V	--	1.5	3
Pulling, MHz p-p, @12dBr, all phases	--	1	1.5
Tuning Voltage, Vdc	0		5
Tuning Sensitivity, MHz/V	--	32	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	3.5	5
@ +85 degrees C, MHz	--	3.5	5
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	28	31
Output Power @ V _{tune} = 0 and 5V	+2.5	--	--
Tuning Port Capacitance, pF	--	220	--
3dB Modulation Bandwidth, kHz	--	500	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified,
dimensions are in inches

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SPECIFICATION CONTROL
DRAWING FOR UMZ-662-D16

SIZE A	FSCM NO.	DWG NO. UP-662	REV A
SCALE: N/A		SHEET 2 OF 2	