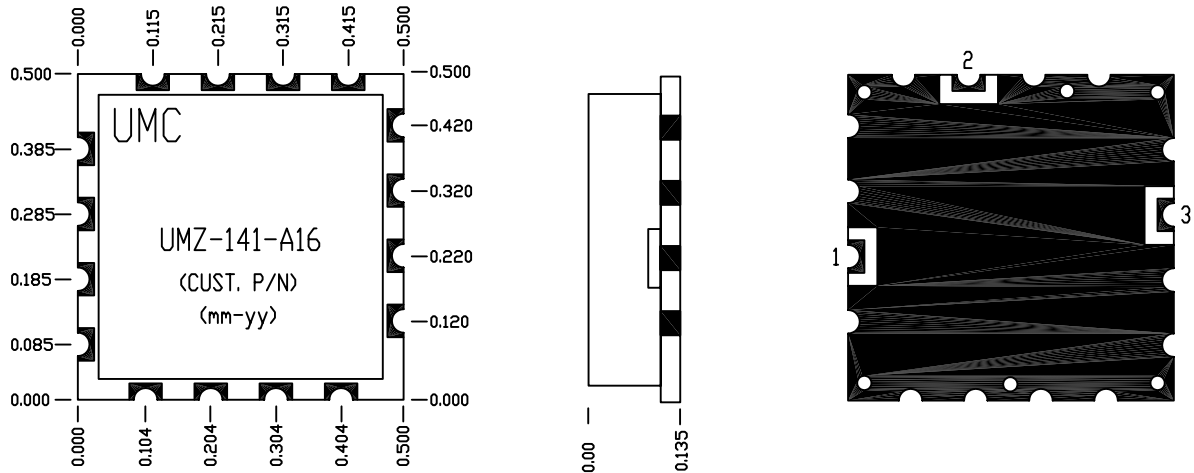


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+11.0
Vtune Voltage, Vdc	+5.0
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

Universal Microwave Corporation
Proprietary Information

Prepared by: M.BANKS 12/5/03
Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-141-A16

SIZE
A

FSCM NO.

DWG NO.

UP-141

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	674	--	814
Power Output, dBm	+7.0	+9.0	+11.0
Harmonics, dBc	--	-15	-10
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-86	-81
@ Offset = 10kHz	--	-111	-106
@ Offset = 100kHz	--	-131	-126
@ Offset = 1MHz	--	-151	-146
@ Offset = 10MHz	--	--	--
Pushing, MHz/V	--	0.5	1
Pulling, MHz p-p, @12dBr, all phases	--	1	2
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V	--	45	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	6.5	10
@ +85 degrees C, MHz	--	6.5	10
Supply Voltage, Vdc	--	+10.0	--
Supply Current, mA _{dc}	--	26	30
Output Power @ V _{tune} = 0 and 4.5V	+6.0	--	--
Tuning Port Capacitance, pF	--	68	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.			
	SPECIFICATION CONTROL DRAWING FOR UMZ-141-A16			
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-141	REV A
Prepared by: M.BANKS 12/5/03	SCALE: N/A		SHEET 2 OF 2	
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556				