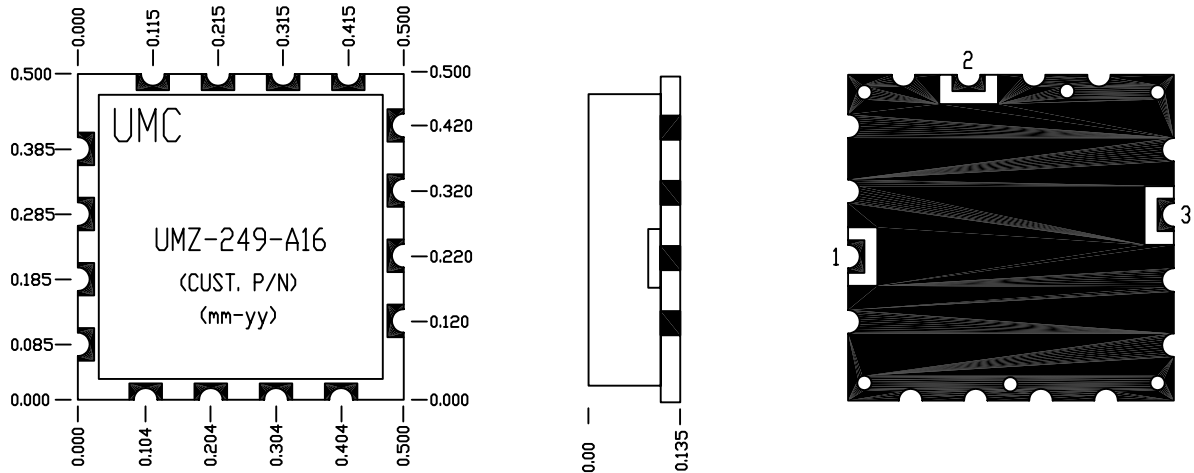


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+14.0
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 6/3/04  
Engineer:

Universal Microwave Corporation  
2339 Destiny Way  
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMZ-249-A16

SIZE  
A

FSCM NO.

DWG NO.

UP-249

REV  
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	600	--	1200
Power Output, dBm	+8.0	+10.0	+12.0
Harmonics, dBc	--	-20	-15
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 100Hz	--	-48	-43
@ Offset = 1kHz	--	-78	-73
@ Offset = 10kHz	--	-103	-98
@ Offset = 100Hz	--	-124	-118
@ Offset = 1MHz	--	--	--
Pushing, MHz/V	--	0.5	1.5
Pulling, MHz p-p, @12dBr, all phases	--	5	10
Tuning Voltage, Vdc	0		+13.0
Tuning Sensitivity, MHz/V	--	60	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	9	--
@ +85 degrees C, MHz	--	9	--
Supply Voltage, Vdc	--	+12.0	--
Supply Current, mA <sub>dc</sub>	--	27	--
Output Power @ V <sub>tune</sub> = 0 and 13V	+8.0	--	--
Tuning Port Capacitance, pF	90	100	110
3dB Modulation Bandwidth, kHz	--	15000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches	Universal Microwave Corp.		
	SPECIFICATION CONTROL DRAWING FOR UMZ-249-A16		
Universal Microwave Corporation Proprietary Document	SIZE A	FSCM NO.	DWG NO. UP-249
Prepared by: M.BANKS 6/3/04			REV A
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2