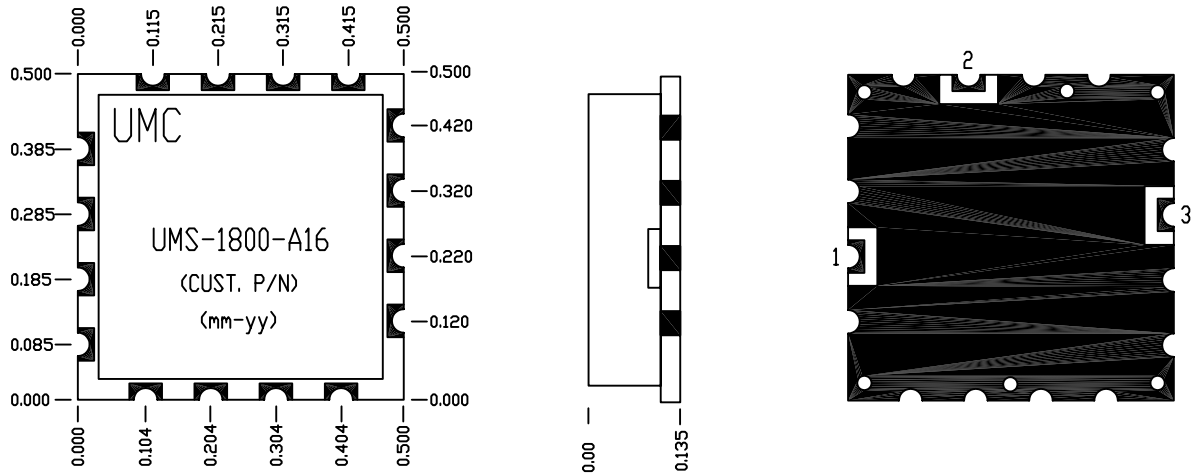


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TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +125 degrees C
Vcc Voltage, Vdc	+13.0
Vtune Voltage, Vdc	+16.0
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 Document

Prepared by: M.BANKS 10/25/04

Engineer:

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Universal Microwave Corp.

SPECIFICATION CONTROL  
DRAWING FOR UMS-1800-A16

SIZE  
A

FSCM NO.

DWG NO.

UP-481

REV  
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	900		1800
Power Output, dBm	+10.0	+12.5	+15.0
Harmonics, dBc		-20	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-75	-70
@ Offset = 10kHz		-100	-95
@ Offset = 100kHz		-120	-115
@ Offset = 1MHz		-140	-135
Pushing, MHz/V		.5	1.0
Pulling, MHz p-p, @12dB <sub>r</sub> , all phases		8.0	15
Tuning Voltage, Vdc	+0.5		+15.0
Tuning Sensitivity, MHz/V		80	
Frequency drift with temperature:			
@ -40°C, MHz		13	
@ +85°C, MHz		13	
Supply Voltage, Vdc		+12.0	
Supply Current, mA		32	
Output Power @ $V_t = 0$	+10.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		15000	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

<b>SPECIFICATION CONTROL DRAWING</b>			
Drawing No. UMS-1800-A16			
Size	A	REV	A
Engineer: PJE		SHEET 2 OF 2	