



CONFIDENTIAL

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	+17.0
DC Voltage applied to RF out	+/- 25

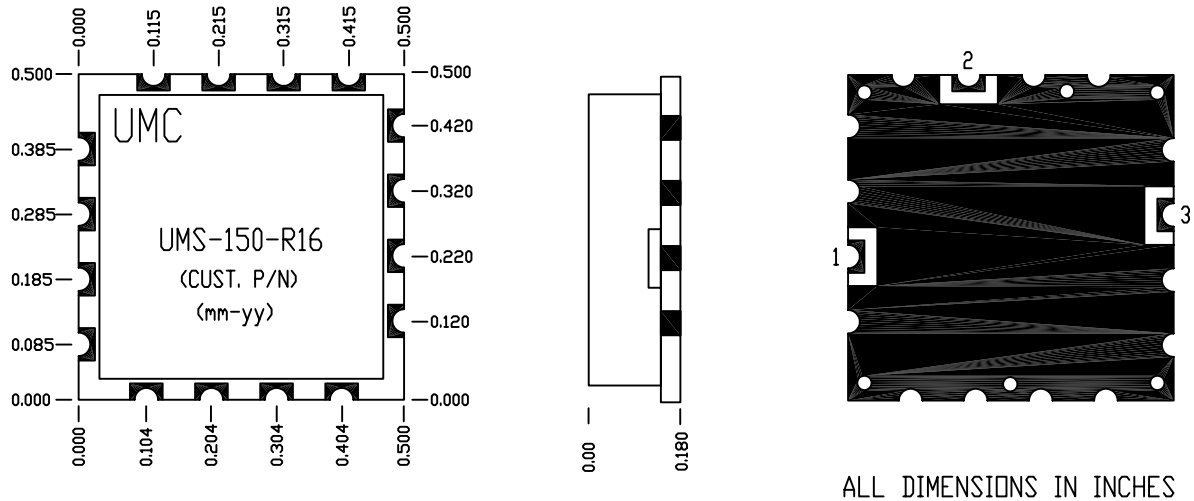


TABLE 1.2, CONTACT ASSIGNMENTS

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

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Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMS-150-R16

SIZE A	FSCM NO.	DWG NO. UP-489	REV A
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SCALE N/A	SHEET 1 OF 2
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	MIN.	TYP.	MAX.
Frequency, MHz	75		150
Power Output, dBm	+7.0	+10.0	+12.5
Harmonics, dBc		-25	-15
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-80	-70
@ Offset = 10kHz		-105	-100
@ Offset = 100kHz		-125	-120
@ Offset = 1MHz		-145	-140
Pushing, MHz/V		0.2	0.5
Pulling, MHz p-p, @12dB _r , all phases		0.5	2
Tuning Voltage, Vdc	+1.0		+16.0
Tuning Sensitivity, MHz/V		6	
Frequency drift with temperature:			
@ -40°C, MHz		0.5	
@ +85°C, MHz		0.5	
Supply Voltage, Vdc		+12.0	
Supply Current, mA		17	
Output Power @ $V_t = 0$	+7.0		
Tuning Port Capacitance, pF		330	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMS-150-R16			
Size	A	REV	A
Engineer:	PJE 1/27/05	SHEET 2 OF 2	