

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	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

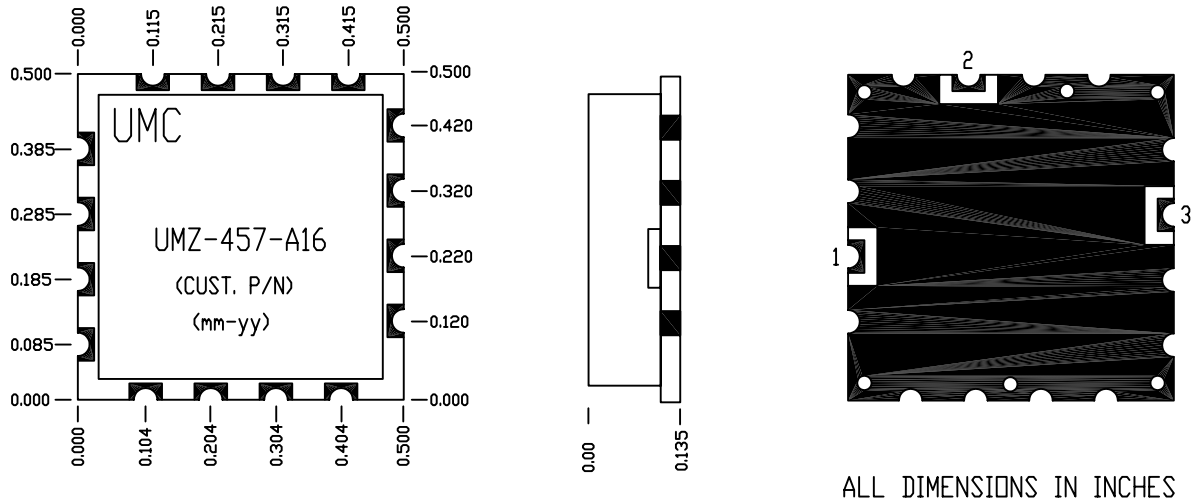


TABLE 1.2, CONTACT ASSIGNMENTS

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 Document

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SPECIFICATION CONTROL DRAWING FOR UMZ-457-A16

SIZE
A

FSCM NO.

DWG NO.

UP-457

REV
A

SCALE: N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	295		323
Power Output, dBm	+1.0	+3.0	+5.0
Harmonics, dBc		-25	-20
SSB Phase Noise, dBc/Hz:			
@ Offset = 1kHz		-75	-70
@ Offset = 10kHz		-100	-95
@ Offset = 100kHz		-120	-115
@ Offset = 1MHz		-140	-135
@ Offset = 10MHz		-160	-155
Pushing, MHz/V		.5	1.0
Pulling, MHz p-p, @12dB _r , all phases		2.0	5.0
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V		18	
Frequency drift with temperature:			
@ -40°C, MHz		4.0	8.0
@ +85°C, MHz		4.0	8.0
Supply Voltage, Vdc		+5.0	
Supply Current, mA		10	13
Output Power @ $V_t = 0$ and 5V	+1.0		
Tuning Port Capacitance, pF		100	
3dB Modulation Bandwidth, kHz		100	

TABLE 1.3 ELECTRICAL SPECIFICATIONS

SPECIFICATION CONTROL DRAWING			
Drawing No. UMZ-457-A16			
Size	A	REV	A
Engineer: PJE		SHEET 2 OF 2	