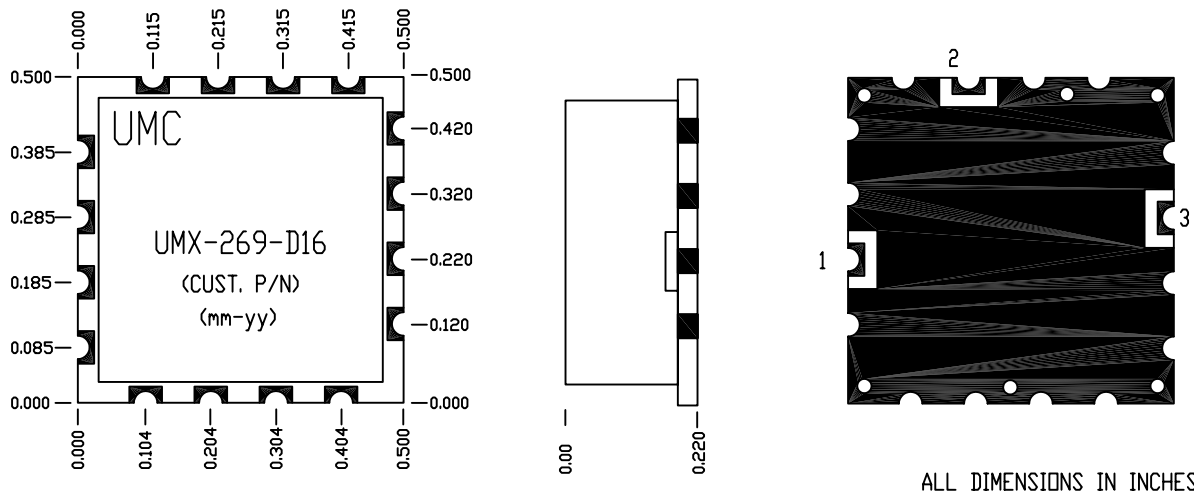


Operating Temperature Range	-40 to +85 degrees C
Storage Temperature Range	-55 to +100 degrees C
Vcc Voltage, Vdc	+5.5
Vtune Voltage, Vdc	+5.0
DC Voltage applied to RF out	+/- 25

TABLE 1.1, ABSOLUTE MAXIMUM RATINGS



ALL DIMENSIONS IN INCHES

CONTACT ASSIGNMENTS	
1: RF OUT	
2: SUPPLY INPUT	
3: TUNING INPUT	
All other contacts are Ground	

TABLE 1.2, CONTACT ASSIGNMENTS

Unless otherwise specified, dimensions are in inches  Universal Microwave Corporation Proprietary Document	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMX-269-D16		
	Prepared by: M.BANKS 07/10/03 Engineer:	SIZE A	FSCM NO. DWG NO. UP-269
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	DATE: 07/10/03	SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	2070		2270
Power Output, dBm	+2.0	+5.0	+7.0
Harmonics, dBc	--	-12	-8
SSB Phase Noise, dBc/Hz			
@ Offset = 1kHz	--	-80	-75
@ Offset = 10kHz	--	-106	-101
@ Offset = 100kHz	--	-127	-122
@ Offset = 1MHz	--	-147	-142
@ Offset = 10MHz	--	-160	-155
Pushing, MHz/V	--	1.5	3.0
Pulling, MHz p-p, @12dBr, all phases	--	0.6	1.2
Tuning Voltage, Vdc	0.5		4.5
Tuning Sensitivity, MHz/V	--	60	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	10.0	12.0
@ +85 degrees C, MHz	--	10.0	12.0
Supply Voltage, Vdc	--	5.0	--
Supply Current, mA <sub>dc</sub>	--	26	--
Output Power @ V <sub>tune</sub> = 0 and 14V	1.0	--	--
Tuning Port Capacitance, pF	--	47	--
3dB Modulation Bandwidth, kHz	--	1000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches  Universal Microwave Corporation Proprietary Information	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMX-269-D16			
	Prepared by: M.BANKS 07/10/03	SIZE A	FSCM NO.	DWG NO. UP-269
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A	DATE: 07/10/03	SHEET 2 OF 2	