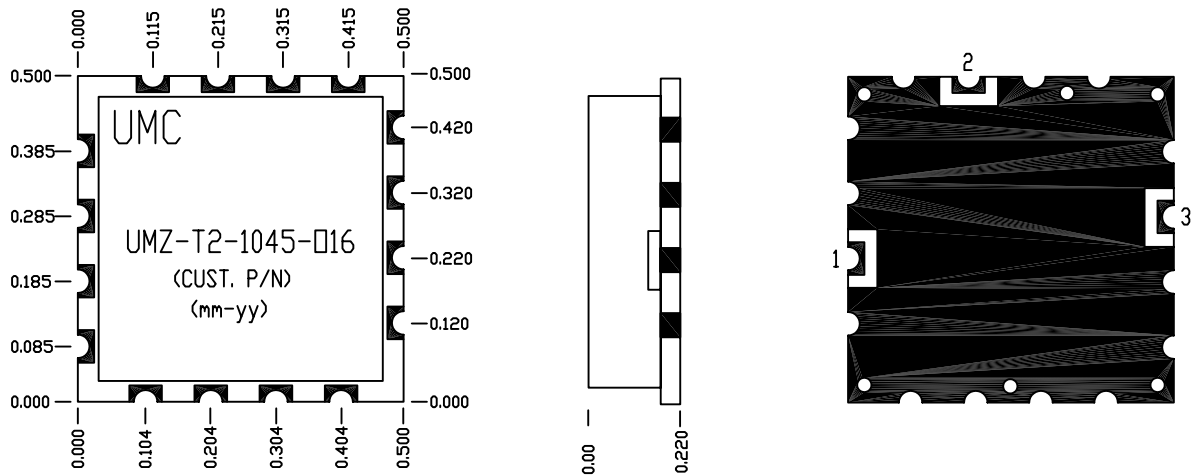


TABLE 1.1, ABSOLUTE MAXIMUM RATINGS

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



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 10/1/03

Engineer:

Universal Microwave Corporation
2339 Destiny Way
Odessa, FL 33556

Universal Microwave Corp.

SPECIFICATION CONTROL
DRAWING FOR UMZ-T2-1045-016

SIZE
A

FSCM NO.

DWG NO.

UP-1045

REV
A

SCALE N/A

SHEET 1 OF 2

	MIN.	TYP.	MAX.
Frequency, MHz	4460	--	4615
Power Output, dBm	-3.0	0	+3.0
Harmonics, dBc	--	-18	-13
SSB Phase Noise, dBc/Hz	--	--	--
@ Offset = 1kHz	--	-73	-68
@ Offset = 10kHz	--	-98	-93
@ Offset = 100kHz	--	-118	-113
@ Offset = 1MHz	--	-138	-133
@ Offset = 10MHz	--	-158	-153
Pushing, MHz/V	--	1	2
Pulling, MHz p-p, @12dBr, all phases	--	0.1	0.3
Tuning Voltage, Vdc	+0.5		+4.5
Tuning Sensitivity, MHz/V	--	60	--
Frequency drift with temperature			
@ -40 degrees C, MHz	--	18	--
@ +85 degrees C, MHz	--	18	--
Supply Voltage, Vdc	--	+5.0	--
Supply Current, mA _{dc}	--	55	--
Output Power @ V _{tune} = 0 and 5V	-4.5	--	--
Tuning Port Capacitance, pF	--	20	--
3dB Modulation Bandwidth, kHz	--	5000	--

TABLE 1.0, ELECTRICAL SPECIFICATIONS

Unless otherwise specified, dimensions are in inches Universal Microwave Corporation Proprietary Information	Universal Microwave Corp. SPECIFICATION CONTROL DRAWING FOR UMZ-T2-1045-016			
	Prepared by: M.BANKS 12/11/03	SIZE A	FSCM NO.	DWG NO. UP-1045
Universal Microwave Corporation 2339 Destiny Way Odessa, FL 33556	SCALE: N/A		SHEET 2 OF 2	