

## TYPICAL SPECS

### Input Frequency

79.4  $\pm$ 1.2 MHz

### Input Level

+10 dBm  $\pm$ 1 dB into 50-ohm load

### Divide Factor

Divide by 2

### Output Frequency

39.7  $\pm$ 0.6 MHz, sine

### Output Type

+13 dBm  $\pm$ 2 dB into 50-ohm load

### Phase Noise Floor (Output Referred)

-165 dBc/Hz; (-170 dBc, goal),  
10 kHz offset

### Harmonics

-30 dBc

### Power Requirements

+15 VDC,  $\leq$  70 mA

### Operating Temperature

+25  $\pm$ 5°C

## MECHANICAL

### Dimensions

2 x 1.25 x 0.8"

### Connectors

RF Input/Output: SMA(f)

Supply: Feed thru capacitor solder pin

GND: Ground turret solder pin

### Packaging

Nickel-plated machined aluminum case

### Weight

$\leq$  70 grams

### Label

Label as follows on conventional label  
and cover with lexan Blue Tops label:

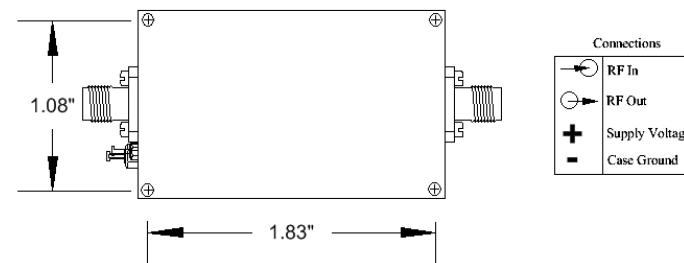
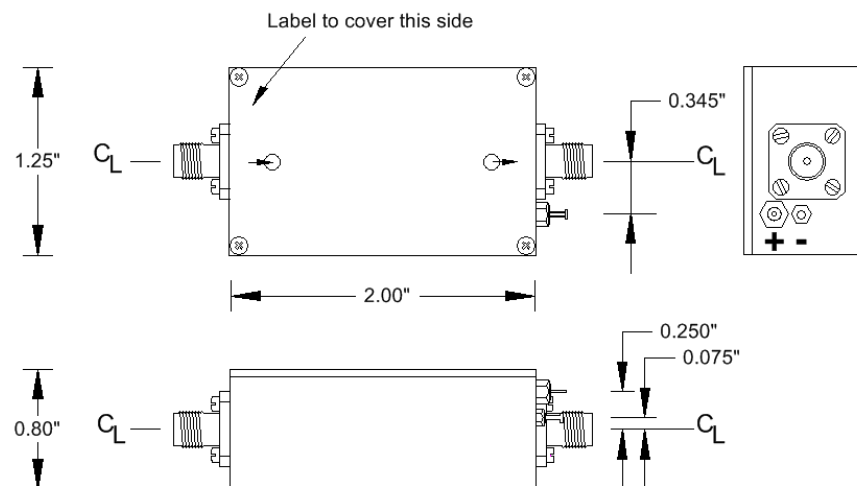
600-22673 (Current Rev.)

FREQ DIVIDER (79.4/2)

+15 VDC

SN – Date Code

REV	DATE	REVISION RECORD	DWN	AUTH
-	07-14-10	Initial Release	PAC	



Bottom view: Each mounting  
hole has a helicoil insert that  
accommodates a 2-56 screw.



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Blue Tops Low Noise Frequency Divider (79.4/2)**

P/N:

**600-22673**

Rev:

**-**

Date:

**07-14-10**

Drawn:

Ref:

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

**$\pm$ 0.030"**

0.XXX Dec:

**$\pm$ 0.010"**

FSCM:

**62821**

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