

OUTPUT**Frequency**
245 MHz**Level**

+7 dBm ±2 dBm into 50 ohms

STABILITY**Aging**1 x 10⁻⁶ per year
after 30 days operating, typical**Phase Noise L(f)**1 Hz -45 dBc
10 Hz -75 dBc
100 Hz -105 dBc
1 KHz -130 dBc
10 KHz -152 dBc**Temperature Stability**±5 x 10⁻⁶, 0° to +50°C (Ref +25°C)**Sub-Harmonics and Products of Crystal Frequency**

-30 dBc

MECHANICAL**Dimensions**

2 x 2 x 0.75"

Connectors

Solder pins on base

Packaging

Solder sealed steel can

POWER REQUIREMENTS**Warm-Up Power**

6 Watts for 1 minutes

Total Power

2.2 Watts at +25°C

Supply Voltage

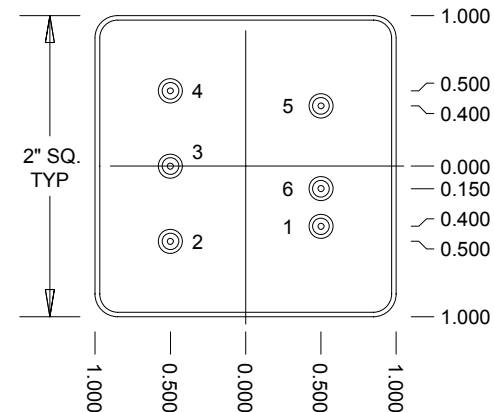
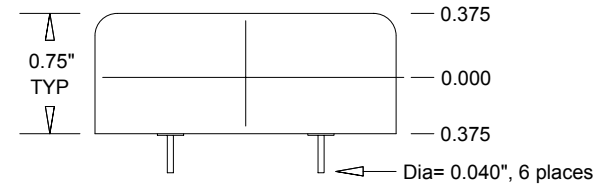
+9 VDC, -2 + 5%

ADJUSTMENT**Electrical Tuning**±10 x 10⁻⁶, for 0 to +7 VDC
Positive Slope**CRYSTAL****Type**

81.66667 MHz AT-cut x 3

**OTHER
SPECIAL
Internal Tuning
Inductive**

REV	DATE	REVISION RECORD	DWN	AUTH
-	01-20-00	Draft		LR
A	01-27-00	Dwg, Sub-Harmonics	KP	LR
B	04-28-00	Total Power	BH	
C	03-13-01	Special Tuning		



PIN	FUNCTION
1	RF Output
2	Supply Voltage
3	Electrical Tuning
4	Ground, Case
5	Case
6	RF Return

Connector numbers are for reference only,
they are not marked on unit.**Wenzel Associates, Inc.**

Austin, Texas

Title:

245 MHz Sprinter for Phaselocking

P/N:

500-07206

Rev:

C

Date:

03-13-01

Drawn:

Ref:

500-07011aTolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

±0.010"

FSCM:

62821

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