

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-03-14	Initial Release	VG	PAC

**OUTPUT**

**Frequency**

119.75 MHz

**Level**

+19 dBm ±2 dB into 50 ohms

**Frequency**

479 MHz

**Level**

+20 dBm ±2 dB into 50 ohms

**STABILITY**

**Aging**

1 x 10<sup>-6</sup> per year

after 30 days operating, typical

**Phase Noise L(f) 119.75 MHz**

100 Hz -120 dBc/Hz

1 kHz -148 dBc/Hz

10 kHz -169 dBc/Hz

100 kHz -170 dBc/Hz

**Phase Noise L(f) 479 MHz**

100 Hz -107 dBc/Hz

1 kHz -135 dBc/Hz

10 kHz -156 dBc/Hz

100 kHz -157 dBc/Hz

**Temperature Stability**

±5 x 10<sup>-7</sup>, 0° to +50°C (Ref +25°C)

**Harmonics**

-30 dBc

**Sub-Harmonics**

-50 dBc

**MECHANICAL**

**Dimensions**

8 x 6 x 1"

**Connectors**

SMA RF outputs; Terminal block for electrical connections

**Packaging**

Crystal oscillator & Blue Tops Modules mounted on an aluminum plate

**POWER REQUIREMENTS**

**Warm-Up Power**

<13.5 Watts for 5 minutes

**Total Power**

<12.5 Watts at +25°C

**Supply Voltage**

+18 VDC

**ADJUSTMENT**

**Mechanical Tuning**

+1, -6 x 10<sup>-6</sup>

**Electrical Tuning**

±6 x 10<sup>-6</sup>, ±5 VDC

Negative slope

**CRYSTAL**

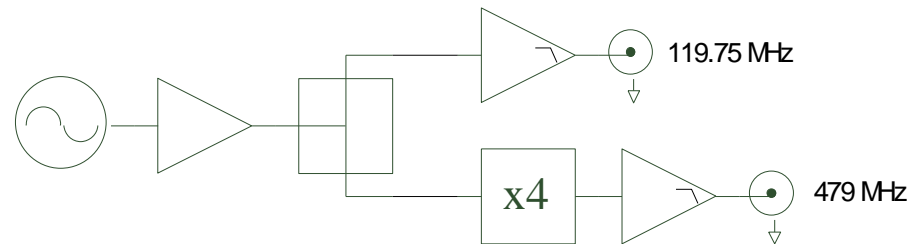
**Type (3<sup>rd</sup> Overtone)**

119.75 MHz SC-cut with x 4 stage

**SPECIAL**

This system incorporates an LNVR (Low Noise Voltage Regulator)

119.75 MHz Sprinter



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**119.75 / 479 MHz-SC Sprinter Plate Assembly**

P/N:

**501-26727**

Rev:

-

Date:

**03-03-14**

Drawn:

Ref:

19341d

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:  
**±0.030"**

0.XXX Dec:  
**±0.010"**

FSCM:  
**62821**

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