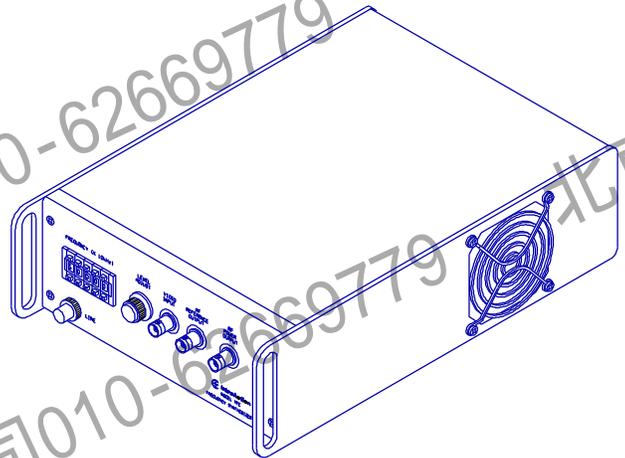


**MODEL VFE SERIES
VARIABLE FREQUENCY SOURCE**

- A/O TUNABLE FILTER DRIVER
- A/O FREQUENCY SHIFTING
- LDV APPLICATIONS
- INTERFEROMETRY
- STABLE FREQUENCY SOURCE
- COMPUTER INTERFACE AVAILABLE
- LOW LEVEL RF REFERENCE OUTPUT



SPECIFICATIONS

Frequency Setting Control	Front panel switches (standard all models)
Optional Addition Computer Interface ¹	Parallel and serial ports
Frequency Access Time	< 10 msec
Frequency Resolution	10 kHz
Frequency Stability	TCXO ² stability +/- 1 ppm (0-50°C)
Spurious Content	-45 dBc
RF Output Power Capability ³	4 watts (level control maximum, no input)
Amplitude Modulation ⁴	Analog (0-2 watts RF output for 0-1 volt input)
Harmonic Output	< -20 dBc (at full rated RF output)
Input / Output Impedance	50 ohms
RF Reference Output	+10 dBm
Main Power	115/230 VAC, 50-60 Hz
Size	9.0(22.9)W x 3.5(8.9)H x 13.5(34.3)D inches(cm)

MODEL	<u>VFE-404A4</u>	<u>VFE-604A4</u>	<u>VFE-754A4</u>	<u>VFE-1104A4</u>	<u>VFE-1204A4</u>
Frequency Range (MHz)	30-50	40-80	50-100	70-140	80-160

¹ In model designation, change A to C.

² TCXO...Temperature Compensated Crystal Oscillator.

³ 5 watt RF output available, 0-5 watts RF output for 0-1 input.

⁴ Optional digital and inverse digital modulation capability available.

Note: Also available is the DFE series Dual Frequency Source with two RF outputs - one fixed frequency and one variable frequency.