

Description

Mi-Wave's 830 Series Fixed Frequency source are available in 18 to 110GHz frequency range.

This source can be used for a mixer local oscillator or transmit source. The 830 Series is a moderate stability source.

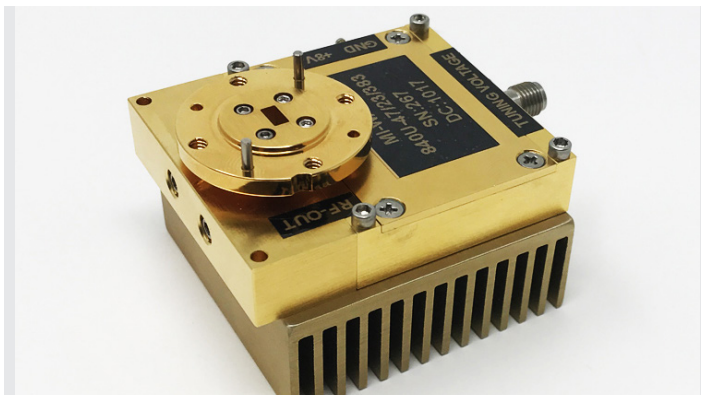
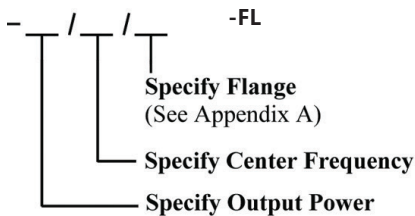
Very high power sources available.

- *Low Noise'*
- *High Stability*
- *18 to 110 GHz*
- *Broadband Tuning*
- *Excellent Reliability*
- *In-Built Regulator*
- *Heatsink Included for high power sources*

Applications

- Radar
- Radiometers
- Local Oscillators
- Telecommunications

Ordering Information



Description

Mi-Wave's 840 Voltage controlled sources are available in 18 to 110GHz.

This source can be used as a modulated transmitter or local oscillator.

Applications

- Radar
- Swept Sources
- Telecommunications Systems

- *Low Noise'*
- *High Reliability*
- *18 to 110 GHz*
- *Voltage Tuning*
- *In-built Regulator*
- *Heatsink included for high power sources*

NOTE: High Power Available for narrow band sources

Technical Specifications (typical)							
Model No.	840K	840A	840B	840U	840V	840E	840W
Frequency (GHz)	18-26.5	26.5-40	33-50	40-60	50-75	60-90	75-110
Output Port	WR-42/SMA-F	WR-428/K-F	WR-22/2.4mF	WR-19/1.85mm	WR-15	WR-12	WR-10
Output Power	30dBm	30dBm	20dBm	20dBm	17dBm	17dBm	15dBm



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TEST DATA SHEET

Model No: 840WF-10/387

Serial No: 270

Item No:	Specification		Test Data
1	Frequency	75GHz to 110GHz	75GHz to 110GHz
2	Output Power	+10 dBm typ	+10 dBm typ over band
3	Tuning Bandwidth	35GHz	35GHz
4	Bias Voltage	+8V +12V MAX	+8.0V @0.270A
5	Tuning Voltage	-1V to +6V +10V MAX	-1V to +6V corresponding to 75GHz to 110GHz

Notes:

- 1) External Tuning Voltage: Voltage supplied must be from a clean and ultralow noise regulator to avoid noise in the VCO's RF Output.
- 2) Case temperature of VCO should never exceed +60°C
- 3) Reverse Biasing will destroy VCO (Warranty Void)
- 4) Warranty Void if VDC exceeds maximum rating specified above

Tested By: *uw*