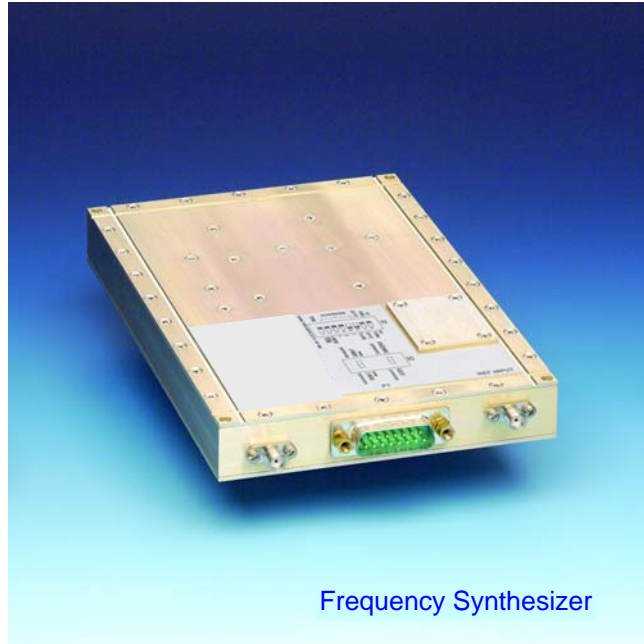


8 - 12 GHz Frequency Synthesizer



These TLSD/TLS2 units operate across the whole 8 – 12 GHz band and provide excellent spectral quality; typically better than -85 dBc/Hz @ 10 kHz off the carrier at 12 GHz.

These units are very system friendly, providing interface options of RS232, RS422 and RS485 within the unit. There is also a provision for multiple units on one bus. The reference frequency can also be selected within the unit.

The TLSD unit is housed in an EMI shielded enclosure with filtered connectors for minimum radiation. The TLS2 is a similar design housed in a smaller housing and is not specifically EMI shielded.

Key Features:

- Output frequency; 8 -12 GHz fundamental operation and to 24 GHz with a X2 multiplier

- Rugged EMI shielded enclosure on TLSD model

- All standard interface options selectable within the unit (RS232, RS422, RS485)

- Multi-drop bus configuration

- Low phase noise, low microphonics and no phase hits (over temperature)

- Low spurious

- Reference frequency selectable within the unit: 5, 10 MHz or Internal ref (± 1 PPM)