

ModBox-CBand-CS-SSB

ModBox for Carrier Suppressed Single Side Band

LASER COMPONENTS supplies the ModBox-CBand-CS-SSB which is an Optical Transmitter Frequency shifter based on high order optical Carrier Suppressed Single Side Band modulation. The ModBox operates in the C&L bands and with microwave frequencies up to 15GHz.

The ModBox-CS-SSB is dedicated to applications that require a coarse tuning (in the 10s of GHz range) and very fine-tuning frequency shift (limited by the input synthesizer frequency resolution). Tunability and accurate control of your wavelength can be useful for precision laser spectroscopy, quantum optics, cold-atom inertial sensors and atomic clocks, optical measurements, and optical fibre sensors. The ModBox-CBand-CS-SSB is a fully optimised CS-SSB optical transmitter based on one LiNbO₃ IQ modulator and its automatised bias controller, it generates one Carrier Suppressed Single Side Band (CS-SSB).

More Information

<https://www.lasercomponents.com/uk/product/reference-transmitters-modboxes/>

The Company

LASER COMPONENTS specialises in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 200 employees worldwide.