



Datasheet

BST GPS-110

The GPS-110 is a reliable computation unit with two GPS receivers and RS422 interface for measuring the position and velocity in orbit. The fully redundant GPS receivers are able to work independently with two active GPS antennas and provide one position and velocity update per second.

The device operates on a single 12 V supply, drawing a typical of 250 mA including Skyfox GPS antennas, when both receivers are switched on. (antennas not part of GPS-110)



Parameter	Value / Comment
Operation voltage	12 V +- 1 V
Power Consumption	300 mW (both GPS receivers switched off) 3 W (both GPS receivers switched on)
Position Accuracy	< 10 m
Orbital operation	yes
Time to First Fix	40 seconds (cold start)
GNSS	GPS only
Main Interface	RS422
Mass	285 g +- 5g
Dimensions	91 x 84 x 41 mm

Key Specifications

