

KEY FEATURES

The Swegeo SS14-15 is an active GNSS signal splitter, featuring a built-in amplifier that provides 15 dB of gain to ensure strong and clear signal reception. This professional-grade full GNSS band signal splitter connects one antenna to up to four receivers. Its symmetrical technical design ensures the delay consistency of each channel, supporting a wide range of signals including GPS/QZSS-L1/L2/L5, QZSS-L6, GLONASS-G1/G2/G3, BeiDou-B1/B2/B2a/B3, Galileo-E1/E5a/E5b/E6, and L-band correction services. The SS14-15's robust and durable construction makes it ideal for high-precision GNSS operations in challenging environments, ensuring reliable performance with enhanced signal quality.



AMPLIFICATION TO COMPENSATE FOR SIGNAL-SPLITTING LOSS

Provides amplification to ensure strong and clear signals reach each receiver despite signal splitting.

ACCEPTS POWER FROM ALL ATTACHED RECEIVERS

Can be powered by any of the connected GNSS receivers, offering flexible power options.

ALLOWS UP TO FOUR GNSS RECEIVERS TO SHARE A SINGLE ANTENNA

Enables multiple GNSS receivers to efficiently share one antenna, reducing hardware requirements and costs.

ROBUST PACKAGE

Designed with a durable and reliable build to withstand harsh environmental conditions and ensure long-lasting performance.

GENERAL	
Nominal Impedance	50 Ω
Maximum RF Input(Antenna)	10dBm
Amplitude	± 0.5 dB
Gain	15 $\pm$ 1.0dB (Typ. @25°C)
Phase-Balance	2.0deg (Typ.). 5.0degMax

MECHANICAL	
Dimensions	105.0*75.0*37.0 mm
Connector	5 type-TNC (female)
Weight	250g
Attachment	Four screw holes
Base	Aluminum alloy 6061-T6

LNA	
Frequency Range	1154~1621MHz
DC In	DC input on any port:3.3~12.5V DC
Noise Figure	≤ 2.0 dB@25°C , Typ.
Antenna Through Current	≤ 250.0 mA
VSWR	$\leq 1.5:1$ typ. 1.8:1max
Splitter Operation Current	≤ 45 mA
Input 1 dB Gain Compression Point	≥ -10 dBm

ENVIROMENTAL	
Operating Temperature	-40°C to+85°C
Storage Temperature	-45°C to+85°C
Humidity	95% Non-condensing
Ingress Rating	IP67

