

## GNSS and differential (beacon) signal combiner

### HIGHLIGHTS

- GNSS port 1160 – 1610MHz (L1+L2)
- Differential beacon port 150 – 400kHz
- 1.5-200MHz rejection band with high isolation
- Passive Design
- GNSS antenna power 2-16V DC pass through with LED indicator



### DESCRIPTION

proFIL1326 is a diplex filter type combiner for active GNSS and differential beacon antennas for GNSS receivers where combined GNSS and beacon receiver antenna has to be separated for interference rejection or performance issues.

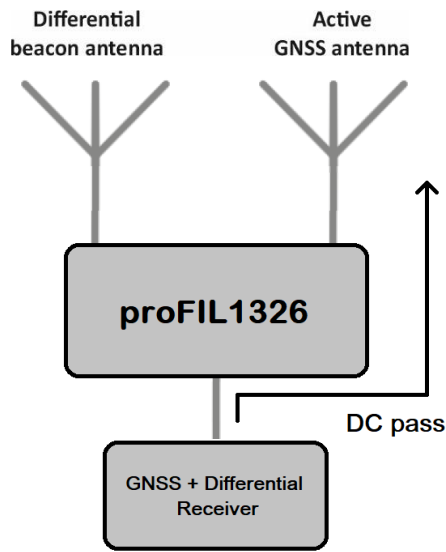
### TECHNICAL SPECIFICATIONS

Model:	proFIL 1326	Frequency	Value
<b>differential beacon port</b>		150 – 400 kHz	Insert. Loss: -1.5...3dB, Return L: -15...-20dB
<b>active GNSS antenna port</b>		1164 – 1610 MHz	Insertion loss: <1dB, Return Loss: -20dB
<b>Reflective band stop range</b>		1 – 400 MHz	-30dB rejection
<b>Reflective band stop range</b>		1.8 – 200 MHz	-55dB rejection
<b>DC pass through</b>		2...16 VDC / 100mA	GNSS receiver → active GNSS antenna port (internal consumption 7mA @16V)
<b>DC Blocking</b>			GNSS receiver → differential beacon port
<b>Grounding</b>	Connector body share the same ground with the case		
<b>Material:</b> Aluminum case	<b>Environmental:</b> IP50, -40 ... +60°C		
<b>Mounting:</b> Flange with 4x M4 holes.	<b>Connectors:</b> N-female connectors		

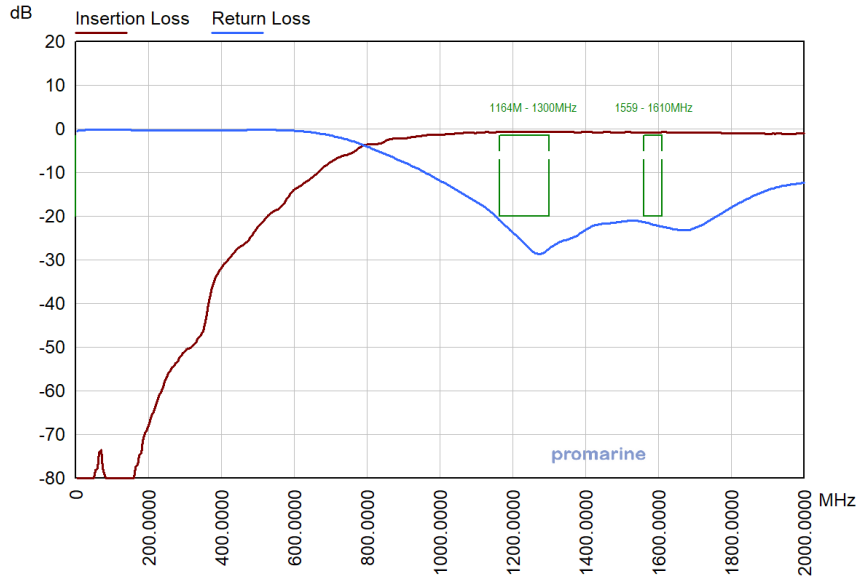
### PERFORMANCE

# proFIL™ 1326

DATASHEET v1.2



FIL1326 GNSS port 1160...1610MHz



FIL1326 Differential beacon port 150...400kHz

