

GNSS Inline Amplifier

ILA20E-GGL



- Amplifying GPS/GLONASS L1 and Galileo E1 signals
- Band-pass filter
- Easy to install
- Small diameter for inside installation of antenna mounting mast pipe
- Surge voltage protection with built-in diode
- DC feeding power bypass
- Wide operating voltage
- Waterproof & Anti-Corrosion
- Military grade environmental specification

Electrical Specification

Item		Specification	Remarks
Input / Output Impedance		50Ω	
Frequency	GPS L1/Galileo E1	1575.42MHz ± 10.23MHz	
	GLONASS L1	1597MHz ~ 1610MHz	
V.S.W.R	Input	GPS L1/Galileo E1	1.5 : 1 (Max)
		GLONASS L1	
	Output	GPS L1/Galileo E1	1.5 : 1 (Max)
		GLONASS L1	
Gain		20dB min.(24dB typical)	
Noise Figure		4dB Max.	
Input Level	Maximum input level	-30dBm	
	Absolute maximum rating	13dBm	
	사용전압	3.5V ~ 12V	20mA@5V DC
전원	Input	RF Output Port	
	Output	Antenna Port	

Mechanical Specification

Item	Specification	Remarks
Size[L x D]	99.7 x 20mm(Include RF Connector)	mm
Connector	2, Type-N Female	
Weight	Not Exceed 150g	

Outline dimensions

[UNIT : mm]

