

# GNSS 4-Way Splitter

## SP4YN-GGL



- Active Splitting GPS/GLONASS L1 and Galileo E1 signals
- Excellent Port-to-Port Isolation
- Band-pass filter
- Easy to install (DC Power is obtained from OUTPUT ports without a separate wiring.)
- 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                     |                         | 0 ± 3dB               |               |
| Noise Figure             |                         | 5dB Max.              |               |
| Port/Port Isolation      |                         | 40dBm                 |               |
| Group Delay              |                         | 30ns 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[W x L x D] | 130 x 62 x 24mm(exclude RF Connector) | mm      |
| Connector       | 5, Type-N Female                      |         |
| Weight          | Not Exceed 570g                       |         |

## Outline dimensions

[UNIT : mm]

