

- ◆ 1100-1650 MHz GNSS Frequency Range
- ◆ 0.25 W Power Rating
- ◆ Meets European Rail Standards EN 50155:2007 (Class T3)
- ◆ Low RF Insertion Loss
- ◆ 25 dB Isolation
- ◆ Single DC Path Feed
- ◆ 200Ω termination on the second port
- ◆ RoHS compliant
- ◆ Low Cost N Design



Microlab D2-42FN Wilkinson style splitter has been designed for GNSS applications, which require only one signal path to pass DC to the antenna LNA.

The unit has a frequency coverage from 1100 to 1650 MHz, and offers high output isolation and good VSWR.

Only one port passes DC, the other is DC terminated using 200Ω. The termination prevents GNSS receiver short alarm.

|              |                                |
|--------------|--------------------------------|
| Bandwidth:   | 1100-1650 MHz                  |
| Impedance:   | 50Ω nominal                    |
| Environment: | -40 to +85°C,<br>Outdoor, IP67 |
| Housing:     | Passivated Aluminum            |
| Connectors:  | N (f) triplate                 |

| Model Number | No. of Ways | Split Loss | Output Isolation | Insertion Loss, max. | Amplitude Balance | VSWR All Ports | Power Rating | Weight, nom. lb (g) |
|--------------|-------------|------------|------------------|----------------------|-------------------|----------------|--------------|---------------------|
| D2-42FN      | 2           | 3 dB       | >25 dB           | <1.0 dB              | <0.3 dB           | <1.25:1        | 0.25W avg.   | 0.48 (218.6)        |

### D2-42FN Outline

