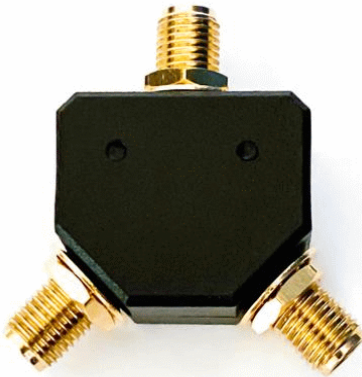


# DATASHEET

## DPLU-1200-673

### ISM/LTE/Cellular-GNSS/GPS Diplexer



**DPLU-1200-673 Diplexer**, separates GNSS (Global Navigation Satellite System) or GPS (Global Positioning System) signals from Sub-GHz band signals, such as ISM (432/868/915 MHz), LTE (700 MHz) and Cellular (800/900 MHz), enabling a single coaxial cable to carry both signals, or permitting the use of a single wideband or multi-function antenna capable of supporting both spectra and services. Two Diplexers may be used at each end of a long, low-loss coaxial cable to transport both signals between two dedicated radios and antennas.

**Diplexers** are bidirectional and linear. This means that the direction of a signal traversing it, transmit/outgoing or receive/incoming, are both supported simultaneously. Signals passing the device are not generally distorted, other than in their amplitude and phase, so long as the power levels are within the specified values.

## DPLU-1200-673 Technical Specifications

- Low Band: 0.30 - 1.0 GHz
- High Band: 1.5 - 2.0 GHz
- Insertion Loss: approx 1 dB
- Nominal Impedance: 50 ohm (RF) IN/OUT
- RF Power Handling: 1W (+30 dBm) Maximum
- VSWR: under 2.0 all ports
- Connectors: SMA Female on all ports
- Dimensions: 34 mm (1.35") x 34 mm (1.35") x 13 mm (0.5"), including connectors
- Mounting: SMA Connector
- Operating Temperatures: -40C to +85C
- Weight: 20 g / 0.7 oz
- Color: Black/Gold

### NOTES:

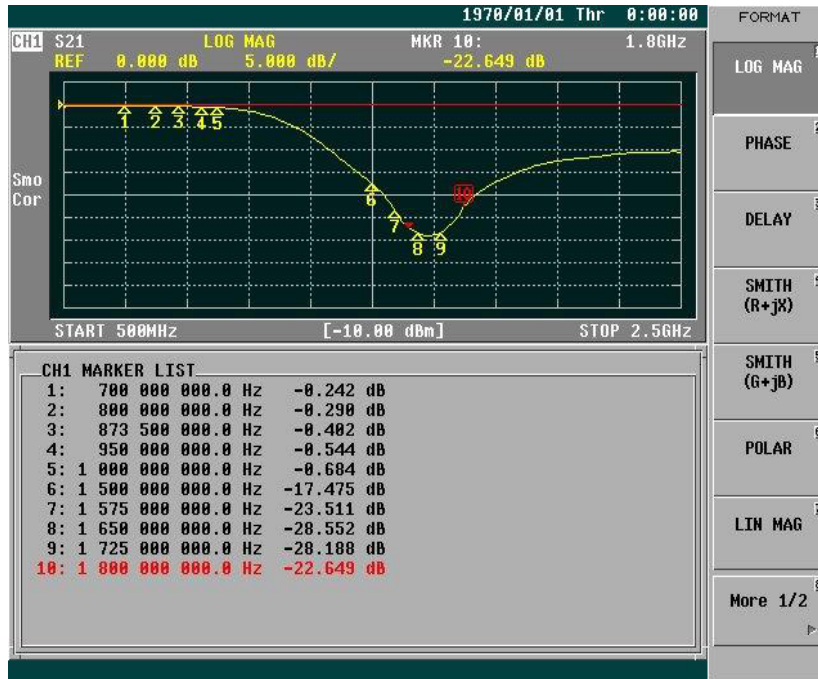
- Specifications and prices are subject to change without notice

[antennas.us](http://antennas.us)

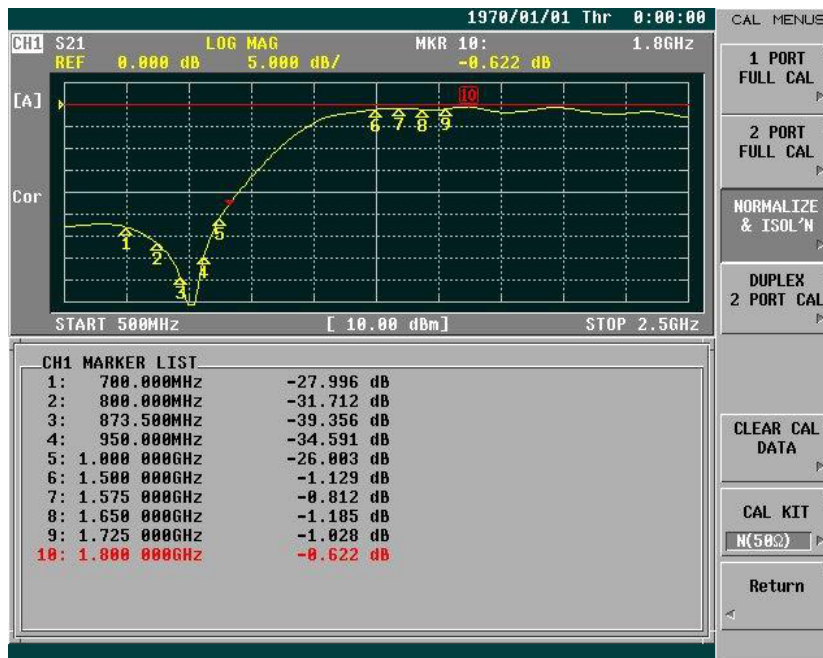
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# DATASHEET

## COM-Low Band (ISM/LTE/Cellular) Insertion Loss (S21)



## COM-High Band (GNSS/GPS) Insertion Loss (S31)

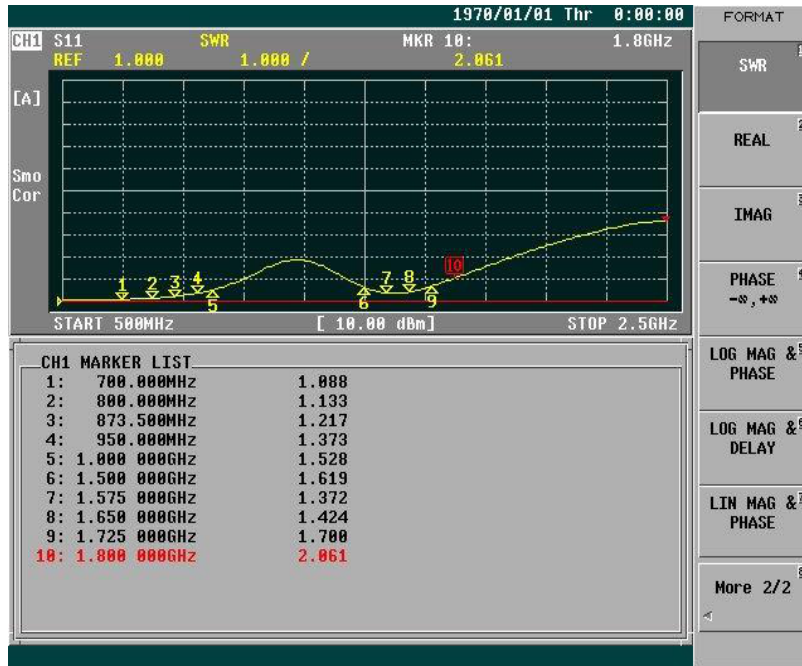


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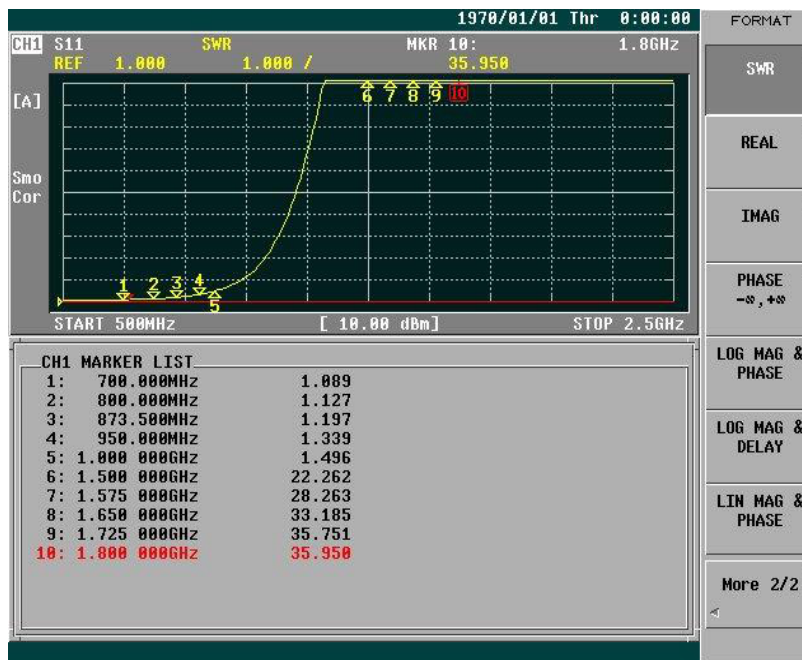
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## COMMon Port VSWR (S11)



## Low Band (ISM/LTE/Cellular) VSWR (S22)

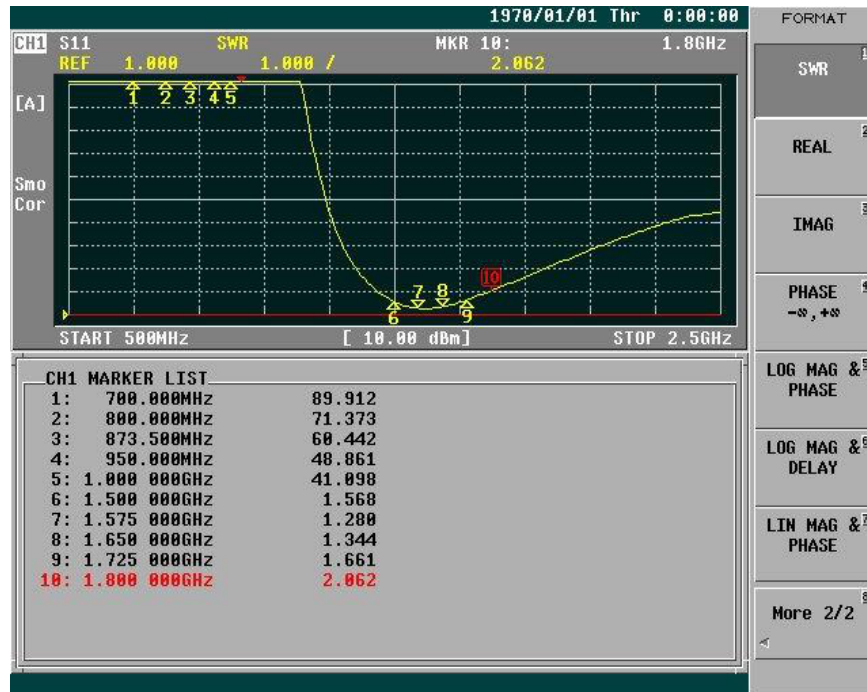


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## High Band (GNSS/GPS) VSWR (S33)



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