

## Features

- Low Cost and RoHS Compliant
- Industry Standard 1 Inch Drop-in package
- Designed for Wireless Telecom Systems
- 50 Ohms Characteristic Impedance

## Description

The PI1950DG-41H is a small, low cost, High Power Drop-in Isolator designed for applications in high performance linear power amplifiers for wireless base stations. These Isolators feature a robust construction for high reliability with excellent IMD performance. These units are built Lead-Free and RoHS compliant. CCW rotation and special tab offsets available on request. S-Parameters are also available on request.



## HIGH POWER DROP-IN ISOLATOR

## Specifications

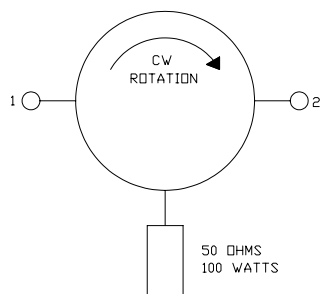
| Parameter             | Minimum | Typical | Maximum |
|-----------------------|---------|---------|---------|
| Frequency Range (MHz) | 1920    |         | 1980    |
| Insertion Loss (dB)   |         | .18     | .25     |
| Isolation (dB)        | 23      | >25     |         |
| Return Loss (dB)      | 23      | >25     |         |

Note: Typical values represent Mid-band performance @ 25°C.

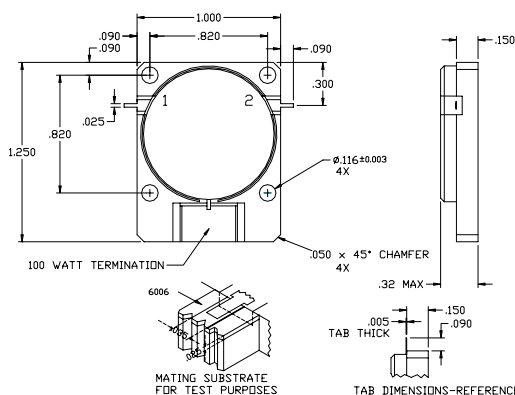
## Absolute Maximum Ratings

| Parameter             | Maximum       |
|-----------------------|---------------|
| Forward Power         | 100 Watts     |
| Reverse Power         | 100 Watts     |
| Operating Temperature | -40 to +85 °C |
| Storage Temperature   | -40 to +85 °C |

## Schematic



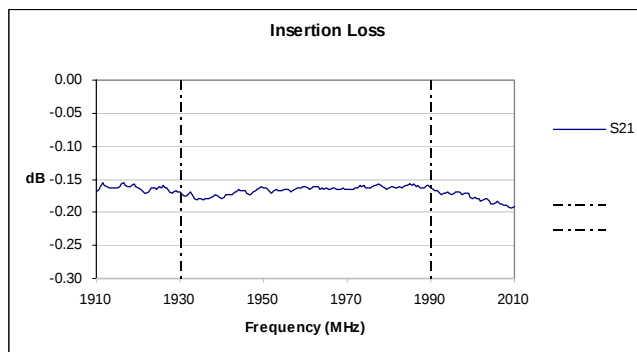
## Package



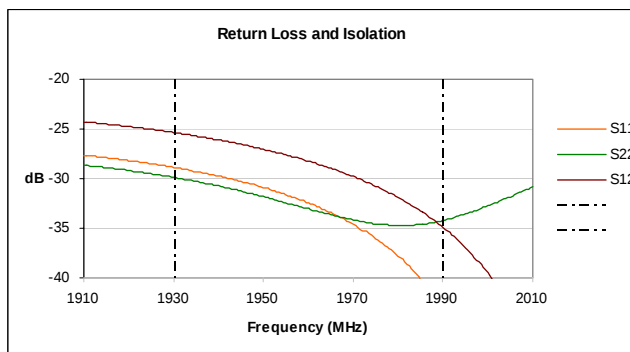
## Pin Functions

| Function | Pin |
|----------|-----|
| INPUT    | 1   |
| OUTPUT   | 2   |

Typical Test Data – Insertion Loss



Typical Test Data – Return Loss and Isolation



Specifications and information on this data sheet are subject to change without notice..