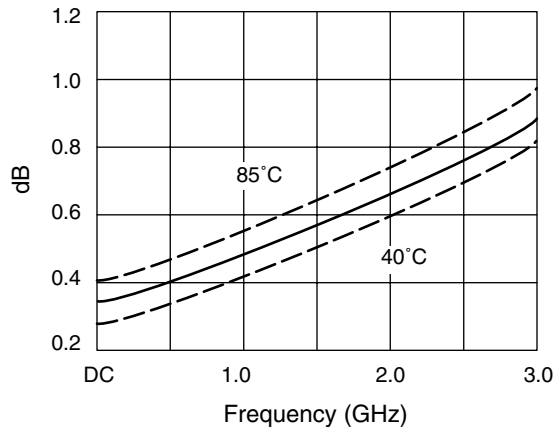




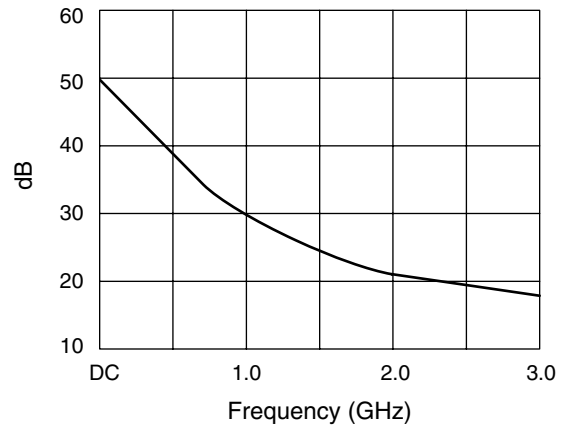
---

1

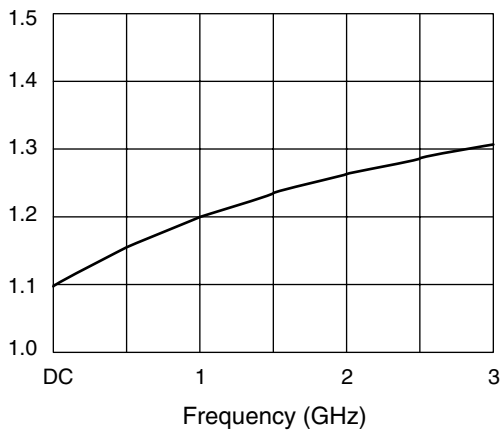
## Typical Performance Data (0, -5 V)



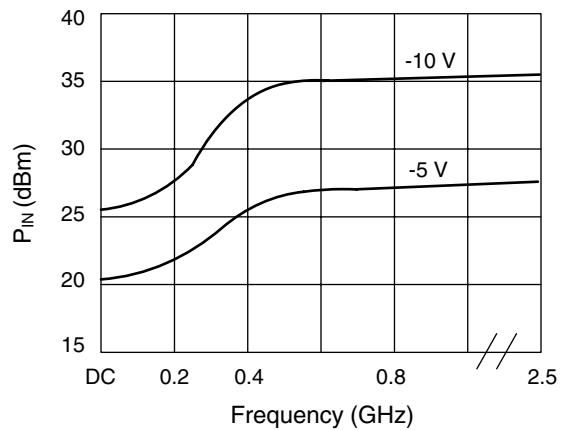
Insertion Loss vs. Frequency



Isolation vs. Frequency



VSWR vs. Frequency

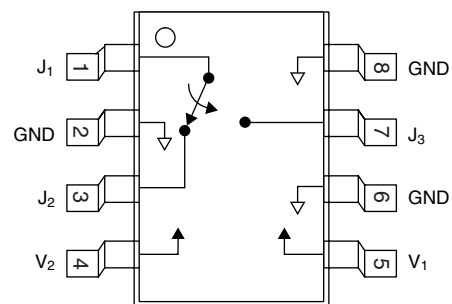


$P_{IN}$  at 1 dB Compression vs. Frequency and Control Voltage

## Absolute Maximum Ratings

| Characteristic        | Value                                               |
|-----------------------|-----------------------------------------------------|
| RF Input Power        | 7.5 W > 500 MHz, 0/-12 V<br>2.0 W @ 50 MHz, 0/-12 V |
| Control Voltage       | +0.2 V, -12 V                                       |
| Operating Temperature | -40°C to +85°C                                      |
| Storage Temperature   | -65°C to +150°C                                     |
| $\Theta_{JC}$         | 25°C/W                                              |

## Pin Out



## Truth Table<sup>1</sup>

| $V_1$ | $V_2$ | $J_1-J_2$      | $J_1-J_3$      |
|-------|-------|----------------|----------------|
| 0     | -5    | Insertion Loss | Isolation      |
| -5    | 0     | Isolation      | Insertion Loss |

1. For positive voltage operation refer to Application Notes.

## Mounting Requirements

For high power applications (> 3 W  $P_{IN}$ ), proper mounting procedures must be followed because heat is transferred through the ground leads.