



# Flatpack Four-Way Power Divider 25 - 1000 MHz

DS-324

V2.00

## Features

- 0.5 dB Typical Midband Insertion Loss
- 38 dB Typical Midband Isolation
- 1.2:1 Typical Midband VSWR

## Guaranteed Specifications<sup>1</sup> (from -55°C to +85°C)

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Frequency Range   | 25-1000 MHz                                      |
| Insertion Loss    | 25-500 MHz 0.75 dB Max<br>25-1000 MHz 1.0 dB Max |
| Isolation         | 25-1000 MHz 20 dB Min                            |
| Amplitude Balance | 25-1000 MHz 0.25 dB Max                          |
| Phase Balance     | 25-500 MHz 3° Max<br>500-1000 MHz 6° Max         |
| VSWR (All Ports)  |                                                  |
| In                | 1.3:1 Max                                        |
| Out               | 1.4:1 Max                                        |

## Operating Characteristics

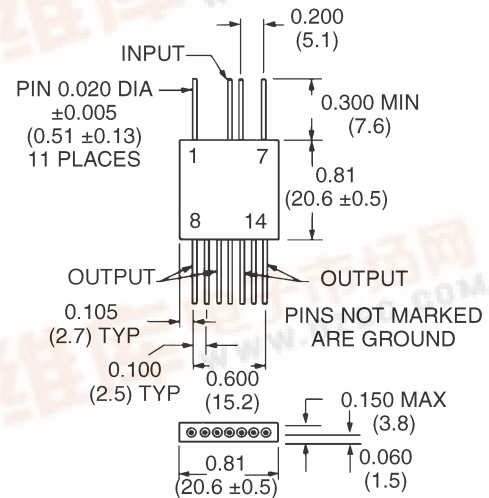
|                                                   |                                                                             |
|---------------------------------------------------|-----------------------------------------------------------------------------|
| Impedance                                         | 50 Ohms Nominal                                                             |
| Maximum Power Rating<br>or Input Power            | 1.0 Watt Max                                                                |
| Internal Load Dissipation                         | 0.05 Watt Max                                                               |
| Environmental<br>MIL-STD-883 screening available. |                                                                             |
| Pin Configuration                                 | IN; P4<br>Outputs; P8, P10, P12 & P14<br>All other pins and case are ground |

1. All specifications apply with 50 ohm source and load impedance.

## Ordering Information

|              |            |
|--------------|------------|
| Model Number | DS-324 PIN |
| Package      | Flatpack   |

## FP-5



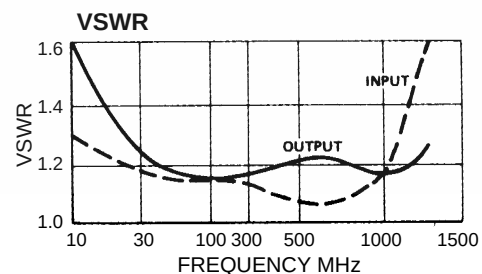
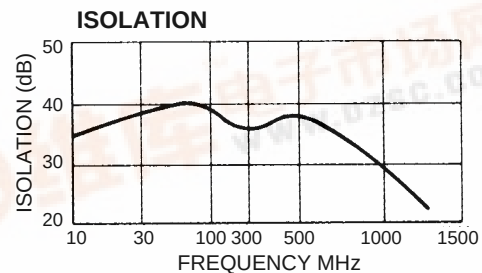
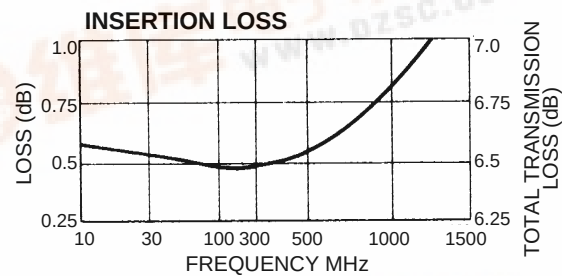
Dimensions in ( ) are in mm.

Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)

.xx = ± 0.02 (.x = ± 0.5)

Weight (approx.): 0.21 ounces 6 grams

## Typical Performance



Connecting  
at a  
**HIGHER**  
level.™