## Engineering Development Model

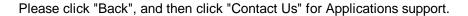
# **Power Splitter/Combiner**

### **ADP-ED8204/2**

2 Way-0°

#### **Important Note**

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.





**CASE STYLE: CD636** 

| ELECTRICAL SPECIFICATIONS 75Ω @ +25°C |                     |      |       |         |       |  |
|---------------------------------------|---------------------|------|-------|---------|-------|--|
| Parameter                             |                     | Min. | Тур.  | Max.    | Units |  |
| Frequency                             |                     | 8.54 |       | 1067.69 | MHz   |  |
| Isolation                             | 8.54-85.4 MHz       |      | 27    |         | dB    |  |
|                                       | 85.4-533.845 MHz    |      | 28    |         | dB    |  |
|                                       | 533.845-1067.69 MHz |      | 29    |         | dB    |  |
| Insertion Loss Above 3.0 dB           | 8.54-85.4 MHz       |      | 0.56  |         | dB    |  |
|                                       | 85.4-533.845 MHz    |      | 0.59  |         | dB    |  |
|                                       | 533.845-1067.69 MHz |      | 0.53  |         | dB    |  |
| Phase Unbalance                       | 8.54-85.4 MHz       |      | 0.026 |         | deg.  |  |
|                                       | 85.4-533.845 MHz    |      | 0.144 |         | deg.  |  |
|                                       | 533.845-1067.69 MHz |      | 0.458 |         | deg.  |  |
| Amplitude Unbalance                   | 8.54-85.4 MHz       |      | 0.014 |         | dB    |  |
|                                       | 85.4-533.845 MHz    |      | 0.019 |         | dB    |  |
|                                       | 533.845-1067.69 MHz |      | 0.101 |         | dB    |  |
| VSWR                                  | SUM Port            |      | 1.87  | _       | (:1)  |  |
|                                       | OUT Ports           |      | 1.84  |         | (:1)  |  |

| MAXIMUM RATINGS       |                |  |  |
|-----------------------|----------------|--|--|
| Operating Temperature | -40°C to 85°C  |  |  |
| Storage Temperature   | -55°C to 100°C |  |  |

| PIN CONNECTIONS         |   |  |  |  |
|-------------------------|---|--|--|--|
| SUM PORT                | 6 |  |  |  |
| PORT 1                  | 4 |  |  |  |
| PORT 2                  | 3 |  |  |  |
| EXTERNAL 2 pF CAPACITOR | 2 |  |  |  |
| GROUND                  | 1 |  |  |  |
| NOT USED                | 5 |  |  |  |

### **Functional Diagram**





