

# Engineering Development Model

## Power Splitter/Combiner

## ADP-ED7943/1

### 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.



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CASE STYLE : CD636

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |             |      |       |      |       |
|---------------------------------------|-------------|------|-------|------|-------|
| Parameter                             |             | Min. | Typ.  | Max. | Units |
| Frequency                             |             | 0.4  |       | 800  | MHz   |
| Isolation                             | .4-4 MHz    |      | 30    |      | dB    |
|                                       | 4-400 MHz   |      | 25    |      | dB    |
|                                       | 400-800 MHz |      | 24    |      | dB    |
| Insertion Loss Above 3.0 dB           | .4-4 MHz    |      | 0.36  |      | dB    |
|                                       | 4-400 MHz   |      | 0.25  |      | dB    |
|                                       | 400-800 MHz |      | 0.58  |      | dB    |
| Phase Unbalance                       | .4-4 MHz    |      | 0.185 |      | deg.  |
|                                       | 4-400 MHz   |      | 0.153 |      | deg.  |
|                                       | 400-800 MHz |      | 0.271 |      | deg.  |
| Amplitude Unbalance                   | .4-4 MHz    |      | 0.004 |      | dB    |
|                                       | 4-400 MHz   |      | 0.001 |      | dB    |
|                                       | 400-800 MHz |      | 0.063 |      | dB    |
| VSWR                                  | SUM Port    |      | 1.19  |      | (:1)  |
|                                       | OUT Ports   |      | 1.21  |      | (:1)  |

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

| PIN CONNECTIONS |     |
|-----------------|-----|
| SUM PORT        | 1   |
| PORT 1          | 3   |
| PORT 2          | 4   |
| GROUND          | 6   |
| NOT USED        | 2,5 |

#### Functional Diagram



P.O. Box 350188, Brooklyn, New York 11235-0000 (718) 934-4500 Fax (718) 332-4851 For detailed performance specs & shopping online see Mini-Circuits web site



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IF/RF MICROWAVE COMPONENTS



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