

## Power Splitter/Combiner

## ADP-ED7657/1

### 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                             |             | 4.6  |       | 506  | MHz   |
| Isolation                             | 4.6-46 MHz  |      | 34    |      | dB    |
|                                       | 46-253 MHz  |      | 35    |      | dB    |
|                                       | 253-506 MHz |      | 40    |      | dB    |
| Insertion Loss Above 3.0 dB           | 4.6-46 MHz  |      | 0.18  |      | dB    |
|                                       | 46-253 MHz  |      | 0.23  |      | dB    |
|                                       | 253-506 MHz |      | 0.38  |      | dB    |
| Phase Unbalance                       | 4.6-46 MHz  |      | 0.015 |      | deg.  |
|                                       | 46-253 MHz  |      | 0.012 |      | deg.  |
|                                       | 253-506 MHz |      | 0.055 |      | deg.  |
| Amplitude Unbalance                   | 4.6-46 MHz  |      | 0.001 |      | dB    |
|                                       | 46-253 MHz  |      | 0.008 |      | dB    |
|                                       | 253-506 MHz |      | 0.023 |      | dB    |
| VSWR                                  | SUM Port    |      | 1.07  |      | (:1)  |
|                                       | OUT Ports   |      | 1.09  |      | (: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     |
| Externally connect together & isolate | 2 & 5 |

#### Functional Diagram

