

# Engineering Development Model

## Power Splitter/Combiner

## AD3PS-ED11087/1

### 3 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.



Please click "Back", and then click "Contact Us" for Applications support.

**CASE STYLE : CJ725**

| ELECTRICAL SPECIFICATIONS 75Ω @ +25°C |               |      |       |      |       |
|---------------------------------------|---------------|------|-------|------|-------|
| Parameter                             |               | Min. | Typ.  | Max. | Units |
| <b>Frequency</b>                      |               | 0.5  |       | 380  | MHz   |
| <b>Isolation</b>                      | 0.5 - 5 MHz   |      | 33    |      | dB    |
|                                       | 5 - 190 MHz   |      | 28    |      | dB    |
|                                       | 190 - 380 MHz |      | 19    |      | dB    |
| <b>Insertion Loss Above 4.8 dB</b>    | 0.5 - 5 MHz   |      | 0.60  |      | dB    |
|                                       | 5 - 190 MHz   |      | 0.50  |      | dB    |
|                                       | 190 - 380 MHz |      | 0.80  |      | dB    |
| <b>Phase Unbalance</b>                | 0.5 - 5 MHz   |      | 0.036 |      | deg.  |
|                                       | 5 - 190 MHz   |      | 0.281 |      | deg.  |
|                                       | 190 - 380 MHz |      | 1.343 |      | deg.  |
| <b>Amplitude Unbalance</b>            | 0.5 - 5 MHz   |      | 0.009 |      | dB    |
|                                       | 5 - 190 MHz   |      | 0.017 |      | dB    |
|                                       | 190 - 380 MHz |      | 0.208 |      | dB    |
| <b>VSWR</b>                           | SUM Port      |      | 1.10  |      | (:1)  |
|                                       | OUT Ports     |      | 1.10  |      | (:1)  |

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

| PIN CONNECTIONS |            |
|-----------------|------------|
| SUM PORT        | 1          |
| PORT 1          | 8          |
| PORT 2          | 5          |
| PORT 3          | 4          |
| GND EXT         | 2, 3, 6, 7 |

#### Functional Diagram

