

Engineering Development Model

Power Splitter/Combiner

ADP-ED7586/2

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.



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CASE STYLE : CD636

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C | | | | | |
|---------------------------------------|---------------|------|-------|------|-------|
| Parameter | | Min. | Typ. | Max. | Units |
| Frequency | | 0.12 | | 689 | MHz |
| Isolation | .12-1.2 MHz | | 24 | | dB |
| | 1.2-344.5 MHz | | 28 | | dB |
| | 344.5-689 MHz | | 25 | | dB |
| Insertion Loss Above 3.0 dB | .12-1.2 MHz | | 0.14 | | dB |
| | 1.2-344.5 MHz | | 0.27 | | dB |
| | 344.5-689 MHz | | 0.82 | | dB |
| Phase Unbalance | .12-1.2 MHz | | 0.198 | | deg. |
| | 1.2-344.5 MHz | | 0.101 | | deg. |
| | 344.5-689 MHz | | 0.223 | | deg. |
| Amplitude Unbalance | .12-1.2 MHz | | 0.019 | | dB |
| | 1.2-344.5 MHz | | 0.062 | | dB |
| | 344.5-689 MHz | | 0.069 | | dB |
| VSWR | SUM Port | | 1.11 | | (:1) |
| | OUT Ports | | 1.16 | | (: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



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