

Engineering Development Model

Power Splitter/Combiner

ADP-ED8445/1

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 75Ω @ +25°C | | | | | |
|---------------------------------------|-------------|------|-------|------|-------|
| Parameter | | Min. | Typ. | Max. | Units |
| Frequency | | 7 | | 620 | MHz |
| Isolation | 7-70 MHz | | 33 | | dB |
| | 70-310 MHz | | 28 | | dB |
| | 310-620 MHz | | 19 | | dB |
| Insertion Loss Above 3.0 dB | 7-70 MHz | | 0.31 | | dB |
| | 70-310 MHz | | 0.32 | | dB |
| | 310-620 MHz | | 0.58 | | dB |
| Phase Unbalance | 7-70 MHz | | 0.723 | | deg. |
| | 70-310 MHz | | 0.164 | | deg. |
| | 310-620 MHz | | 0.727 | | deg. |
| Amplitude Unbalance | 7-70 MHz | | 0.190 | | dB |
| | 70-310 MHz | | 0.141 | | dB |
| | 310-620 MHz | | 0.087 | | dB |
| VSWR | SUM Port | | 1.18 | | (:1) |
| | OUT Ports | | 1.19 | | (: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 |
| 1.8 pF capacitor | between 2 and 5 |

Functional Diagram



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