

Engineering Development Model

Power Splitter/Combiner

ADPQ-ED10603/1

2 Way-90°

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 : X0

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C | | | | | |
|--|--------------|------|-------|------|-------|
| Parameter | | Min. | Typ. | Max. | Units |
| Frequency | | 70 | | 170 | MHz |
| Isolation | 70 - 170 MHz | | 22 | | dB |
| Insertion Loss | | | | | |
| Average of Coupled Outputs less 3.0 dB | 70 - 170 MHz | | 0.25 | | dB |
| Phase Unbalance | 70 - 170 MHz | | 0.417 | | deg. |
| Amplitude Unbalance | 70 - 170 MHz | | 0.359 | | dB |
| VSWR | SUM Port | | 1.20 | | (:1) |
| | OUT Ports | | 1.20 | | (:1) |

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

| PIN CONNECTIONS | |
|-----------------|------|
| SUM PORT | 1 |
| PORT 1 | 6 |
| PORT 2 | 4 |
| GND EXT | 2, 5 |
| 50Ω TERMINATION | 3 |

Functional Diagram

