

# Power Splitter/Combiner

## 4 Way-0°

PSC-ED937B/1

### 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 : A01

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |               |      |      |      |       |
|---------------------------------------|---------------|------|------|------|-------|
| Parameter                             |               | Min. | Typ. | Max. | Units |
| Frequency                             |               | 0.1  |      | 300  | MHz   |
| Isolation                             | 0.1 - 1 MHz   |      | 31   |      | dB    |
|                                       | 1 - 150 MHz   |      | 32   |      | dB    |
|                                       | 150 - 300 MHz |      | 30   |      | dB    |
| Insertion Loss Above 6.0 dB           | 0.1 - 1 MHz   |      | 0.35 |      | dB    |
|                                       | 1 - 150 MHz   |      | 0.35 |      | dB    |
|                                       | 150 - 300 MHz |      | 0.85 |      | dB    |
| Phase Unbalance                       | 0.1 - 1 MHz   |      | 0.47 |      | deg.  |
|                                       | 1 - 150 MHz   |      | 0.22 |      | deg.  |
|                                       | 150 - 300 MHz |      | 1.05 |      | deg.  |
| Amplitude Unbalance                   | 0.1 - 1 MHz   |      | 0.06 |      | dB    |
|                                       | 1 - 150 MHz   |      | 0.04 |      | dB    |
|                                       | 150 - 300 MHz |      | 0.19 |      | dB    |
| VSWR                                  | SUM Port      |      | 1.27 |      | (:1)  |
|                                       | OUT Ports     |      | 1.22 |      | (:1)  |

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

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

### Functional Diagram

