

## Engineering Development Model

# Power Splitter/Combiner

# ZFRSC-ED12119/1

## 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 : K18

| ELECTRICAL SPECIFICATIONS 75Ω @ +25°C |                |      |       |      |       |
|---------------------------------------|----------------|------|-------|------|-------|
| Parameter                             |                | Min. | Typ.  | Max. | Units |
| Frequency                             |                | 1    |       | 1000 | MHz   |
| Isolation                             | 1 - 10 MHz     |      | 6     |      | dB    |
|                                       | 10 - 500 MHz   |      | 6     |      | dB    |
|                                       | 500 - 1000 MHz |      | 6     |      | dB    |
| Insertion Loss Above 3.0 dB           | 1 - 10 MHz     |      | 0.05  |      | dB    |
|                                       | 10 - 500 MHz   |      | 0.05  |      | dB    |
|                                       | 500 - 1000 MHz |      | 0.10  |      | dB    |
| Phase Unbalance                       | 1 - 10 MHz     |      | 0.070 |      | deg.  |
|                                       | 10 - 500 MHz   |      | 0.105 |      | deg.  |
|                                       | 500 - 1000 MHz |      | 0.154 |      | deg.  |
| Amplitude Unbalance                   | 1 - 10 MHz     |      | 0.000 |      | dB    |
|                                       | 10 - 500 MHz   |      | 0.002 |      | dB    |
|                                       | 500 - 1000 MHz |      | 0.002 |      | dB    |
| VSWR                                  | SUM Port       |      | 1.05  |      | (:1)  |
|                                       | OUT Ports      |      | 1.06  |      | (:1)  |

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

| PIN CONNECTIONS |   |
|-----------------|---|
| SUM PORT        | 3 |
| PORT 1          | 1 |
| PORT 2          | 2 |

### Functional Diagram

