

## Engineering Development Model

# Power Splitter/Combiner

# ZFSC-ED13708/1

## 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 50Ω @ +25°C |             |      |      |      |       |
|---------------------------------------|-------------|------|------|------|-------|
| Parameter                             |             | Min. | Typ. | Max. | Units |
| Frequency                             |             | 0.3  |      | 500  | MHz   |
| Isolation                             | .3-3 MHz    |      | 28   |      | dB    |
|                                       | 3-250 MHz   |      | 30   |      |       |
|                                       | 250-500 MHz |      | 24   |      |       |
| Insertion loss above 3 dB             | .3-3 MHz    |      | 0.20 |      | dB    |
|                                       | 3-250 MHz   |      | 0.30 |      |       |
|                                       | 250-500 MHz |      | 0.50 |      |       |
| Phase Unbalance                       | .3-3 MHz    |      | 0.02 |      | Deg   |
|                                       | 3-250 MHz   |      | 0.20 |      |       |
|                                       | 250-500 MHz |      | 0.30 |      |       |
| Amplitude Unbalance                   | .3-3 MHz    |      | 0.01 |      | dB    |
|                                       | 3-250 MHz   |      | 0.05 |      |       |
|                                       | 250-500 MHz |      | 0.10 |      |       |
| VSWR                                  | SUM Port    |      | 1.15 |      | (:1)  |
|                                       | OUT Ports   |      | 1.09 |      |       |

### MAXIMUM RATINGS

|                       |                |
|-----------------------|----------------|
| Operating Temperature | -20°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |

### COAXIAL CONNECTIONS

|          |    |
|----------|----|
| SUM PORT | J1 |
| PORT 1   | J3 |
| PORT 2   | J2 |

### Functional Diagram



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IF/RF MICROWAVE COMPONENTS



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