

# Engineering Development Model

## Power Splitter/Combiner

## Z99SC-ED11451/1

### 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 : F183

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |               |      |       |            |
|---------------------------------------|---------------|------|-------|------------|
| Parameter                             |               | Min. | Typ.  | Max. Units |
| Frequency                             |               | 0.2  |       | 650 MHz    |
| Isolation                             | 0.2 - 2 MHz   |      | 25    | dB         |
|                                       | 2 - 325 MHz   |      | 25    | dB         |
|                                       | 325 - 650 MHz |      | 13    | dB         |
| Insertion Loss Above 3.0 dB           | 0.2 - 2 MHz   |      | 0.20  | dB         |
|                                       | 2 - 325 MHz   |      | 0.40  | dB         |
|                                       | 325 - 650 MHz |      | 1.05  | dB         |
| Phase Unbalance                       | 0.2 - 2 MHz   |      | 0.032 | deg.       |
|                                       | 2 - 325 MHz   |      | 0.597 | deg.       |
|                                       | 325 - 650 MHz |      | 2.785 | deg.       |
| Amplitude Unbalance                   | 0.2 - 2 MHz   |      | 0.000 | dB         |
|                                       | 2 - 325 MHz   |      | 0.009 | dB         |
|                                       | 325 - 650 MHz |      | 0.101 | dB         |
| VSWR                                  | SUM Port      |      | 1.30  | (:1)       |
|                                       | OUT Ports     |      | 1.20  | (:1)       |

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

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

#### Functional Diagram

