

# Engineering Development Model

## Power Splitter/Combiner\*

ZFSCDC8-ED13201/1

8 Way-0°

\*With coupler

### 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.

Please click "Back", and then click "Contact Us" for Applications support.



CASE STYLE : 99-01-669

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |              |      |          |            |
|---------------------------------------|--------------|------|----------|------------|
| Parameter                             |              | Min. | Typ.     | Max. Units |
| Frequency                             |              | 5    |          | 700 MHz    |
| Isolation                             | 5-50 MHz     |      | 35       | dB         |
|                                       | 50-350 MHz   |      | 29       |            |
|                                       | 350-700 MHz  |      | 29       |            |
| Insertion Loss Above 9.0 dB           | 5-50 MHz     |      | 1.35     | dB         |
|                                       | 50-350 MHz   |      | 1.55     |            |
|                                       | 350-700 MHz  |      | 2.00     |            |
| Phase Unbalance                       | 5-50 MHz     |      | 0.15     | deg.       |
|                                       | 50-350 MHz   |      | 0.75     |            |
|                                       | 350-700 MHz  |      | 2.05     |            |
| Amplitude Unbalance                   | 5-50 MHz     |      | 0.16     | dB         |
|                                       | 50-350 MHz   |      | 0.17     |            |
|                                       | 350-700 MHz  |      | 0.25     |            |
| Coupling                              | 5-700 MHz    |      | 20.3±.75 | dB         |
| VSWR                                  | SUM Port     |      | 1.14     | (:1)       |
|                                       | OUT Ports    |      | 1.07     | (:1)       |
|                                       | COUPLED Port |      | 1.16     | (:1)       |

### MAXIMUM RATINGS

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

### COAXIAL CONNECTIONS

|          |     |
|----------|-----|
| SUM PORT | J9  |
| PORT 1   | J1  |
| PORT 2   | J2  |
| PORT 3   | J3  |
| PORT 4   | J4  |
| PORT 5   | J5  |
| PORT 6   | J6  |
| PORT 7   | J7  |
| PORT 8   | J8  |
| COUPLED  | J10 |

