

## Excellent Integrated System Limited

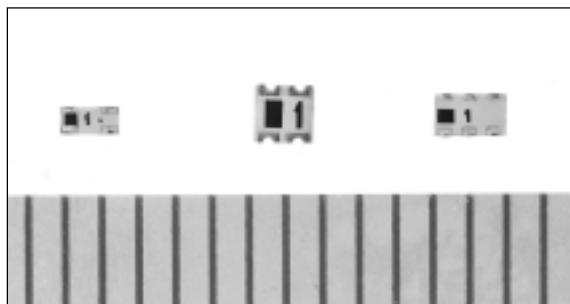
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## Power-Divider

### Features

- Miniature, thin ( $1.6 \times 1.6 \times t 0.6$ ,  $3.2 \times 1.6 \times t 0.6$ )
- Available in many frequency ranges within 700 MHz to 3500 MHz
- High isolation

### Recommended Applications

- Digital portable telephone
- PHS
- Mobile communication system

### Typical Characteristics

| Part No.                                    | EHFFD1495         |                   |                   | EHFFD1779         |                   |                   | EHFFD<br>1508     | EHFFD<br>1503     | EHFFD<br>1506     | EHFFD<br>1502     | EHFFD<br>1507     | EHFFD<br>1509     |
|---------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Items                                       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Frequency<br>( MHz )                        | 1607 to<br>1685   | 1880 to<br>1920   | 2400 to<br>2500   | 720 to<br>760     | 945 to<br>979     | 981 to<br>1008    | 981 to<br>1008    | 1540 to<br>1640   | 1607 to<br>1685   | 720 to<br>760     | 1880 to<br>1920   | 2043 to<br>2104   |
| Insertion Loss 1/2<br>( dB )                | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) | 4.0/4.0<br>(max.) |
| Isolation<br>( dB )                         | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      | 18<br>(min.)      |
| Power Balance<br>( dB )                     | 0.5<br>(max.)     | 0.5<br>9max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     | 0.5<br>(max.)     |
| External Connected<br>Capacitor or Resistor | 2.5 pF            | 1.8 pF            | 1 pF              | 3 pF              | 1.5 pF            | 1.2 pF            | 100Ω              | 150Ω              | 150Ω              | 3 pF              | 100Ω              | 100Ω              |
| Dimension No.                               | ※1                | ※1                | ※1                | ※1                | ※1                | ※1                | ※2                | ※2                | ※2                | ※2                | ※2                | ※2                |

### Dimensions in mm (not to scale)

