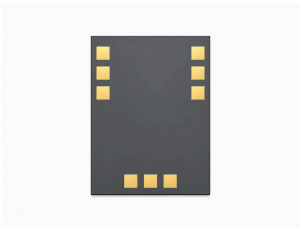
# 500–2700 MHz GaAs IPD 2-way 0° power divider die

LCDIV-500-2700-2WAY is a GaAs IPD 2-way 0° power divider die operating over 500–2700 MHz.

Isolation: 14 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.3 (typical).
Die dimensions: 0.9 × 1.2 × 0.1 mm.



## RF characteristics

TA = +25 °C

| Parameter | Symbol | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|---|
| Operating frequency | - | 500 | - | 2700 | MHz |
| Isolation | - | - | 14 | - | dB |
| Input VSWR | - | - | 1.3 | - | - |
| Output VSWR | - | - | 1.3 | - | - |

## Absolute limits

| Parameter | Symbol | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|---|
| Maximum input power | - | - | - | 30 | dBm |

## Environmental specifications

| Parameter | Symbol | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|---|
| Storage temperature | - | -65 | - | 150 | °C |
| Operating temperature | - | -55 | - | 85 | °C |

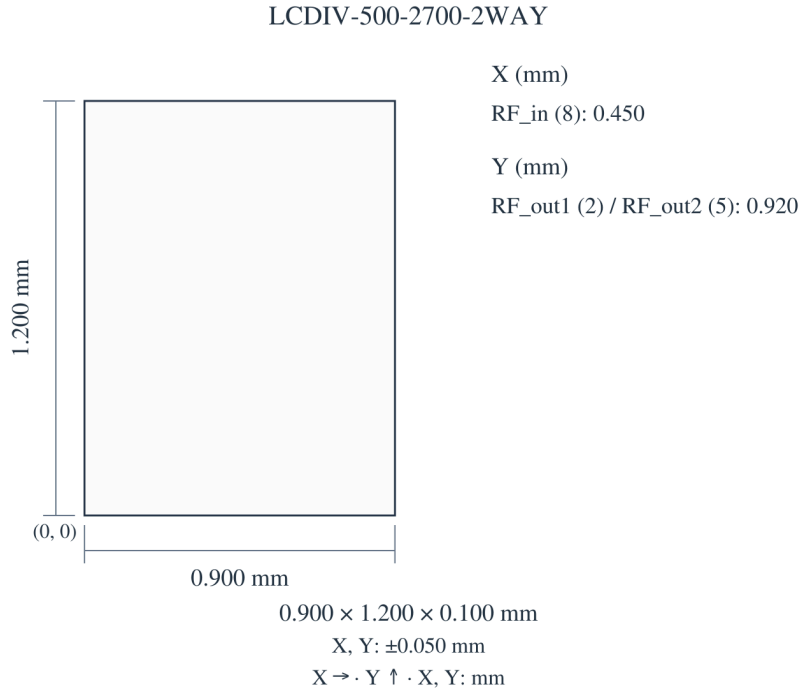
## Bond-pad assignments

| Pins | Symbol | Function | Notes |
|---|---|---|---|
| 1, 3, 4, 6, 7, 9 | GND | Ground; no wire bond required | - |
| 2 | RFout1 | RF output | 1 |
| 5 | RFout2 | RF output | 2 |
| 8 | RFin | RF input | - |

## Die dimensions

| Parameter | Value | Unit |
|---|---|---|
| Die dimensions | 0.9 × 1.2 × 0.1 | mm |

Reference drawing showing selected dimensions in mm. Use complete drawings for fabrication and wire bonding.

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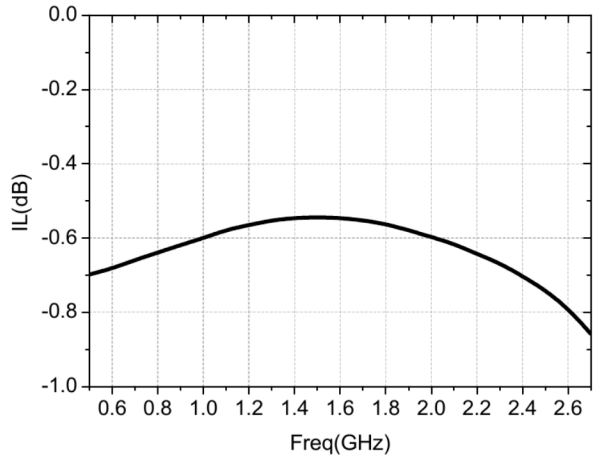
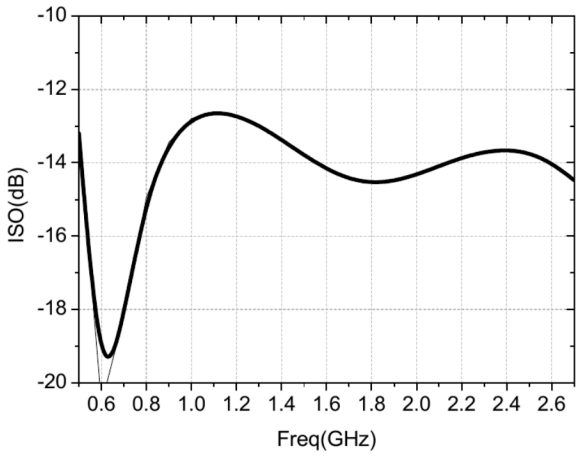
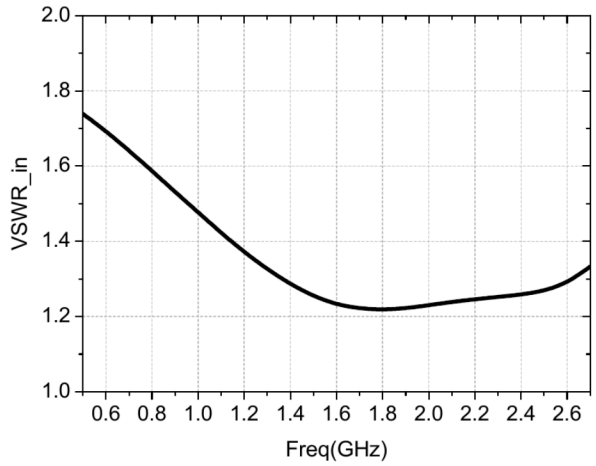
## Performance curves

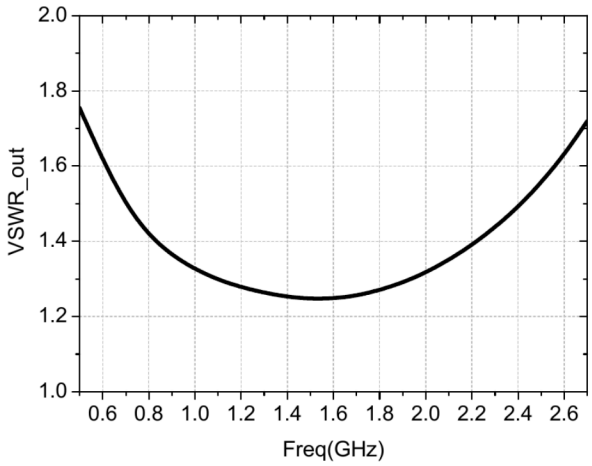
Read each figure with its stated operating conditions.

### Insertion loss; Isolation; Input matching; Output matching.




**Document notice**

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.