Product catalog

Power Distribution, Combining & Coupling

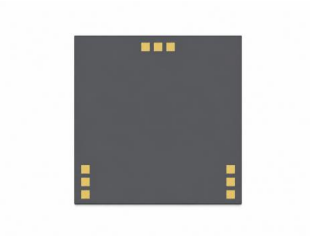
RF power distribution hardware divides, combines or samples signal power in controlled paths. It covers dividers, combiners, couplers, hybrids, baluns and distribution assemblies for amplifiers, antenna feeds and RF test.



Products: 26

Revision: 12 · Revision date: 2026-11-11

Power Dividers



LCDIV-2000-18000-2WAY-D-S2X2

2000–18000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.3 (typical). Die dimensions: 2 × 2 × 0.1 mm.

Operating frequency: Minimum: 2000; Maximum: 18000; Value: 2000–18000; Unit: MHz

Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.3

TA = +25 °C

Product details Product datasheet



LCDIV-3700-5000-2WAY

3700–5000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.2 (typical); Output VSWR: 1.2 (typical). Die dimensions: 0.8 × 1.3 × 0.1 mm.

Operating frequency: Minimum: 3700; Maximum: 5000; Value: 3700–5000; Unit: MHz

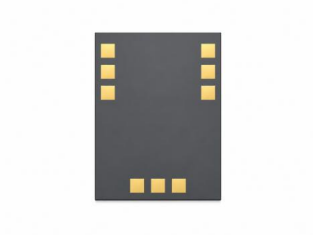
Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.2

Output VSWR: Typical: 1.2

TA = +25 °C

Product details Product datasheet



LCDIV-500-2700-2WAY

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

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

Operating frequency: Minimum: 500; Maximum: 2700; Value: 500–2700; Unit: MHz

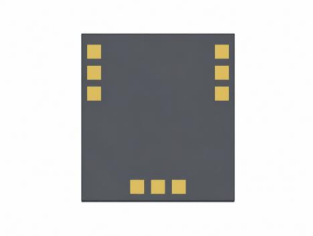
Isolation: Typical: 14; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.3

TA = +25 °C

Product details Product datasheet



LCDIV-800-2000-2WAY

800–2000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 18 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.3 (typical). Die dimensions: 1.1 × 1.2 × 0.1 mm.

Operating frequency: Minimum: 800; Maximum: 2000; Value: 800–2000; Unit: MHz

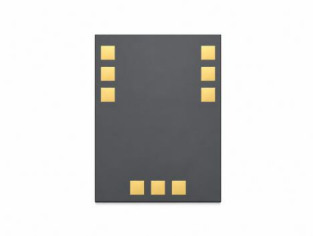
Isolation: Typical: 18; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.3

TA = +25 °C

Product details Product datasheet



LCDIV-1000-4000-2WAY

1000–4000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 18 dB (typical); Input VSWR: 1.4 (typical); Output VSWR: 1.4 (typical). Die dimensions: 0.9 × 1.2 × 0.1 mm.

Operating frequency: Minimum: 1000; Maximum: 4000; Value: 1000–4000; Unit: MHz

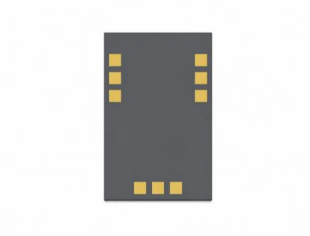
Isolation: Typical: 18; Unit: dB

Input VSWR: Typical: 1.4

Output VSWR: Typical: 1.4

TA = +25 °C

Product details Product datasheet



LCDIV-2000-6000-2WAY

2000–6000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.2 (typical). Die dimensions: 0.9 × 1.4 × 0.1 mm.

Operating frequency: Minimum: 2000; Maximum: 6000; Value: 2000–6000; Unit: MHz

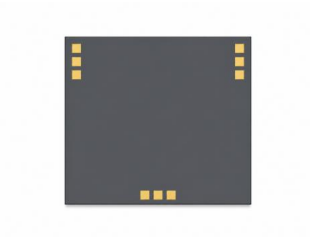
Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.2

TA = +25 °C

Product details Product datasheet



LCDIV-2000-18000-2WAY-D-S2p12X1p9

2000–18000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.3 (typical). Die dimensions: 2.12 × 1.9 × 0.1 mm.

Operating frequency: Minimum: 2000; Maximum: 18000; Value: 2000–18000; Unit: MHz

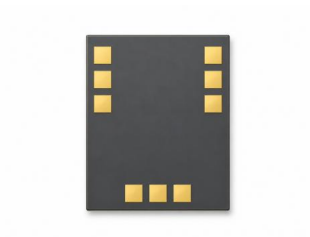
Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.3

TA = +25 °C

Product details Product datasheet



LCDIV-2700-3500-2WAY

2700–3500 MHz GaAs IPD 2-way 0° power divider die

Isolation: 30 dB (typical); Input VSWR: 1.1 (typical); Output VSWR: 1.1 (typical). Die dimensions: 0.9 × 1.1 × 0.1 mm.

Operating frequency: Minimum: 2700; Maximum: 3500; Value: 2700–3500; Unit: MHz

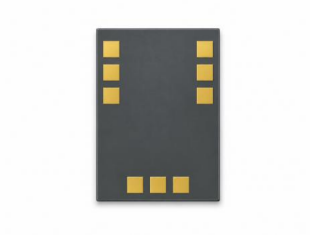
Isolation: Typical: 30; Unit: dB

Input VSWR: Typical: 1.1

Output VSWR: Typical: 1.1

TA = +25 °C

Product details Product datasheet



LCDIV-5000-7000-2WAY

5000–7000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 25 dB (typical); Input VSWR: 1.1 (typical); Output VSWR: 1.1 (typical). Die dimensions: 0.8 × 1.1 × 0.1 mm.

Operating frequency: Minimum: 5000; Maximum: 7000; Value: 5000–7000; Unit: MHz

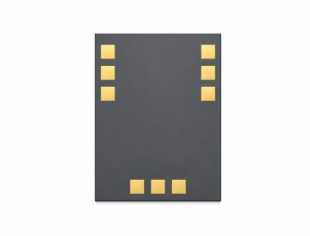
Isolation: Typical: 25; Unit: dB

Input VSWR: Typical: 1.1

Output VSWR: Typical: 1.1

TA = +25 °C

Product details Product datasheet



LCDIV-5000-13000-2WAY

5000–13000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 25 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.2 (typical). Die dimensions: 0.9 × 1.2 × 0.1 mm.

Operating frequency: Minimum: 5000; Maximum: 13000; Value: 5000–13000; Unit: MHz

Isolation: Typical: 25; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.2

TA = +25 °C

Product details Product datasheet



LCDIV-6000-18000-2WAY

6000–18000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.2 (typical); Output VSWR: 1.2 (typical). Die dimensions: 0.8 × 1.3 × 0.1 mm.

Operating frequency: Minimum: 6000; Maximum: 18000; Value: 6000–18000; Unit: MHz

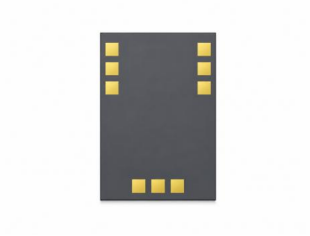
Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.2

Output VSWR: Typical: 1.2

TA = +25 °C

Product details Product datasheet



LCDIV-7000-13000-2WAY

7000–13000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 25 dB (typical); Input VSWR: 1.2 (typical); Output VSWR: 1.2 (typical). Die dimensions: 0.9 × 1.3 × 0.1 mm.

Operating frequency: Minimum: 7000; Maximum: 13000; Value: 7000–13000; Unit: MHz

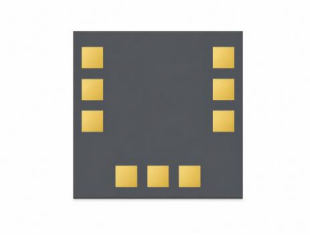
Isolation: Typical: 25; Unit: dB

Input VSWR: Typical: 1.2

Output VSWR: Typical: 1.2

TA = +25 °C

Product details Product datasheet



LCDIV-8000-12000-2WAY

8000–12000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.2 (typical); Output VSWR: 1.1 (typical). Die dimensions: 0.8 × 0.8 × 0.1 mm.

Operating frequency: Minimum: 8000; Maximum: 12000; Value: 8000–12000; Unit: MHz

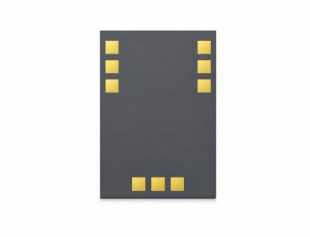
Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.2

Output VSWR: Typical: 1.1

TA = +25 °C

Product details Product datasheet



LCDIV-10000-20000-2WAY

10000–20000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 30 dB (typical); Input VSWR: 1.2 (typical); Output VSWR: 1.2 (typical). Die dimensions: 0.9 × 1.3 × 0.1 mm.

Operating frequency: Minimum: 10000; Maximum: 20000; Value: 10000–20000; Unit: MHz

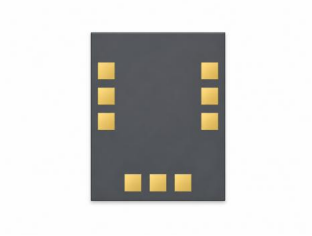
Isolation: Typical: 30; Unit: dB

Input VSWR: Typical: 1.2

Output VSWR: Typical: 1.2

TA = +25 °C

Product details Product datasheet



LCDIV-12000-18000-2WAY

12000–18000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 25 dB (typical); Input VSWR: 1.2 (typical); Output VSWR: 1.1 (typical). Die dimensions: 0.8 × 1 × 0.1 mm.

Operating frequency: Minimum: 12000; Maximum: 18000; Value: 12000–18000; Unit: MHz

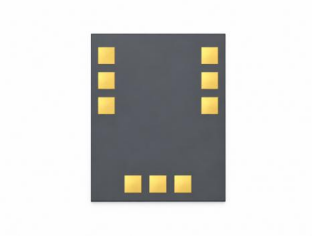
Isolation: Typical: 25; Unit: dB

Input VSWR: Typical: 1.2

Output VSWR: Typical: 1.1

TA = +25 °C

Product details Product datasheet



LCDIV-30000-40000-2WAY

30000–40000 MHz GaAs IPD 2-way 0° power divider die

Isolation: 20 dB (typical); Input VSWR: 1.3 (typical); Output VSWR: 1.3 (typical). Die dimensions: 0.8 × 1 × 0.1 mm.

Operating frequency: Minimum: 30000; Maximum: 40000; Value: 30000–40000; Unit: MHz

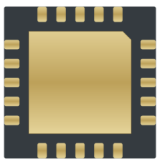
Isolation: Typical: 20; Unit: dB

Input VSWR: Typical: 1.3

Output VSWR: Typical: 1.3

TA = +25 °C

Product details Product datasheet



LCDIV-2000-18000-2WAY-C

2000–18000 MHz Packaged Power Divider — 1 → 2; IL -1.6 dB (typical)

2000–18000 MHz; Insertion loss -1.6 dB (typical); Isolation -20 dB (typical).

Operating frequency: Symbol: f; Minimum: 2000; Maximum: 18000; Value: 2000–18000; Unit: MHz

Insertion loss: Symbol: IL; Typical: -1.6; Unit: dB

Isolation: Symbol: ISO; Typical: -20; Unit: dB

Input VSWR: Typical: 1.3

TA = +25 °C

Product details Product datasheet



LCPD-100-500-100-4

100–500 MHz Four-Way RF Power Divider, 100 W

The divider distributes 100–500 MHz to four paths with 100 W stated power handling. Insertion loss is 0.9 dB typical and amplitude balance is ≤±0.2 dB.

Model number: Value: LCPD-100-500-100-4

Frequency range: Value: 100–500 (Minimum: 100 MHz. Maximum: 500 MHz.); Unit: MHz

Number of ways: Value: 4

Insertion loss: Value: 0.9 (Typical: 0.9 dB.); Unit: dB

Product details Product datasheet



LCPD-30-100-100-4

30–100 MHz Four-Way RF Power Divider, 100 W

The 30–100 MHz band splits into four paths with 100 W stated power handling and 0.9 dB typical insertion loss. Phase balance is ≤±5°.

Model number: Value: LCPD-30-100-100-4

Frequency range: Value: 30–100 (Minimum: 30 MHz. Maximum: 100 MHz.); Unit: MHz

Number of ways: Value: 4

Insertion loss: Value: 0.9 (Typical: 0.9 dB.); Unit: dB

Product details Product datasheet



LCPD-400-6000-200-2

400–6000 MHz Two-Way RF Power Divider, 200 W

The 400–6000 MHz band divides into two paths with 200 W stated power handling and 0.6 dB typical insertion loss. Phase balance is ≤±5°.

Model number: Value: LCPD-400-6000-200-2

Frequency range: Value: 400–6000 (Minimum: 400 MHz. Maximum: 6000 MHz.); Unit: MHz

Number of ways: Value: 2

Insertion loss: Value: 0.6 (Typical: 0.6 dB.); Unit: dB

Product details Product datasheet



LCPD-500-1000-100-4

500–1000 MHz Four-Way RF Power Divider, 100 W

The divider distributes 500–1000 MHz to four paths with 100 W stated power handling. Typical insertion loss is 0.9 dB and amplitude balance is ≤±0.2 dB.

Model number: Value: LCPD-500-1000-100-4

Frequency range: Value: 500–1000 (Minimum: 500 MHz. Maximum: 1000 MHz.); Unit: MHz

Number of ways: Value: 4

Insertion loss: Value: 0.9 (Typical: 0.9 dB.); Unit: dB

Product details Product datasheet



LCPD-6000-18000-2

6–18 GHz Two-Way RF Power Divider, 10 W CW

The divider splits 6–18 GHz signals into two paths with 10 W CW power handling. Insertion loss is 0.5 dB typical and 0.7 dB maximum; isolation is at least 20 dB.

Frequency range: Value: 6–18; Unit: GHz; Notes: Minimum: 6 GHz. Maximum: 18 GHz.

Insertion loss: Value: 0.5 / 0.7; Unit: dB; Notes: Typical: 0.5 dB. Maximum: 0.7 dB.

Isolation: Value: ≥20; Unit: dB; Notes: Minimum: 20 dB.

Input VSWR: Value: 1.4 / 1.6; Notes: Typical: 1.4. Maximum: 1.6.

Product details Product datasheet

Bi-directional Couplers



LCBDC-900-9000-35

0.9–9 GHz Bidirectional RF Coupler, 35 dB Typical Coupling

This coupler samples forward and reverse signals across 0.9–9 GHz. Coupling is 35 dB typical, with insertion loss no greater than 0.3 dB.

Frequency range: Value: 0.9–9.0; Unit: GHz; Notes: Minimum: 0.9 GHz. Maximum: 9 GHz.

Insertion loss: Value: ≤0.3; Unit: dB; Notes: Maximum: 0.3 dB.

Coupling: Value: 33 / 35 / 37; Unit: dB; Notes: Minimum: 33 dB. Typical: 35 dB. Maximum: 37 dB.

Directivity: Value: 10 / 15; Unit: dB; Notes: Minimum: 10 dB. Typical: 15 dB.

Product details Product datasheet

Power Combiners



LCPC-100-500-1000-4

100–500 MHz Four-Way RF Power Combiner, 1000 W

Four paths combine across 100–500 MHz with 1000 W stated power handling. Insertion loss is 0.9 dB typical and phase balance is ≤±3°.

Model number: Value: LCPC-100-500-1000-4

Frequency range: Value: 100–500 (Minimum: 100 MHz. Maximum: 500 MHz.); Unit: MHz

Number of ways: Value: 4

Insertion loss: Value: 0.9 (Typical: 0.9 dB.); Unit: dB

Product details Product datasheet



LCPC-30-100-2000-4

30–100 MHz Four-Way RF Power Combiner, 2000 W

Four paths combine at 30–100 MHz with 2000 W stated power handling and 0.6 dB typical insertion loss. Amplitude balance is ≤±0.2 dB.

Model number: Value: LCPC-30-100-2000-4

Frequency range: Value: 30–100 (Minimum: 30 MHz. Maximum: 100 MHz.); Unit: MHz

Number of ways: Value: 4

Insertion loss: Value: 0.6 (Typical: 0.6 dB.); Unit: dB

Product details Product datasheet



LCPC-500-1000-500-4

500–1000 MHz Four-Way RF Power Combiner, 500 W

Four paths combine across 500–1000 MHz with 500 W stated power handling. Insertion loss is 0.9 dB typical and phase balance is ≤±5°.

Model number: Value: LCPC-500-1000-500-4

Frequency range: Value: 500–1000 (Minimum: 500 MHz. Maximum: 1000 MHz.); Unit: MHz

Number of ways: Value: 4

Insertion loss: Value: 0.9 (Typical: 0.9 dB.); Unit: dB

Product details Product datasheet

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.