Product catalog

Power, Bias & Thermal Support

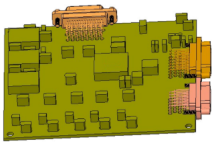
DC conversion, PA supplies, bias control, protection and air- or liquid-cooled thermal hardware used to keep RF modules inside declared electrical and temperature limits.



Products: 4

Revision: 3 · Revision date: 2026-11-28

DC-DC Power Modules



LCPCM-24-11

24 V DC-DC Power and Control Board

11 DC output rails from a 20–25 V DC input, with SPI, I^2C and 3.3 V and 5 V TTL outputs.

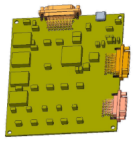
Nominal DC input: Specification: +24 VDC

DC input range: Specification: +20 … +25 VDC

Conversion efficiency: Specification: ≥85% · Rated input and load

Voltage regulation: Specification: ≤1% · T_a = 25 ±5 °C · 100%

Product details Product datasheet



LCPCM-24-14

24 V DC-DC Power and Control Board

14 DC output rails from a 20–25 V DC input, with SPI, I^2C and 3.3 V and 5 V TTL outputs. The USB Type-C port carries USB 2.0 data. VBUS only detects connection.

Nominal DC input: Specification: +24 VDC

DC input range: Specification: +20 … +25 VDC

Conversion efficiency: Specification: ≥85% · Rated input and load

Voltage regulation: Specification: ≤1% · T_a = 25 ±5 °C · 100%

Product details Product datasheet

RF Bias Tees and DC Blocks



LCBT-30-6000

30 MHz–6 GHz RF Bias Tee

This bias tee combines the 30 MHz–6 GHz RF path with DC bias injection. The source table lists 1 dB insertion loss and 0.3 A operating current as typical values.

Frequency range: Value: 30–6000; Unit: MHz; Notes: Minimum: 30 MHz. Maximum: 6000 MHz.

Insertion loss: Value: 1; Unit: dB; Notes: Typical: 1 dB.

Return loss: Value: −15; Unit: dB; Notes: Typical: -15 dB.

Operating voltage: Value: 5 / 12; ≤30; Unit: V; Notes: Typical: 5/12 V. Maximum: 30 V.

Product details Product datasheet



LCBT-6000-9000

6–9 GHz RF Bias Tee

LCBT-6000-9000 combines 6–9 GHz RF signals with DC bias for microwave test setups. Typical insertion loss is 1 dB and typical operating current is 0.3 A.

Frequency range: Value: 6000–9000; Unit: MHz; Notes: Minimum: 6000 MHz. Maximum: 9000 MHz.

Insertion loss: Value: 1; Unit: dB; Notes: Typical: 1 dB.

Input/output reflection (S11): Value: −15; Unit: dB; Notes: Typical: -15 dB.

Operating voltage: Value: 5 / 12; ≤30; Unit: V; Notes: Typical: 5/12 V. Maximum: 30 V.

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.