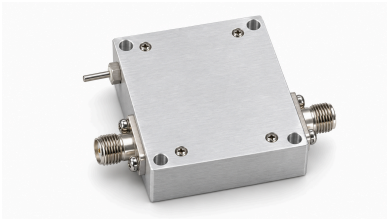


6–9 GHz RF Bias Tee

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.



Electrical specifications

Parameter	Value	Unit	Notes
Frequency range	6000–9000	MHz	Minimum: 6000 MHz. Maximum: 9000 MHz.
Insertion loss	1	dB	Typical: 1 dB.
Input/output reflection (S11)	–15	dB	Typical: -15 dB.
Operating voltage	5 / 12; ≤30	V	Typical: 5/12 V. Maximum: 30 V.
Operating current	0.3	A	Typical: 0.3 A.

Absolute maximum ratings

Parameter	Value	Unit	Notes
Maximum operating voltage	+30	V	Maximum: 30 V.
Maximum input power	+35	dBm	Maximum: 35 dBm.
Operating temperature	–40–+70	°C	Minimum: -40 °C. Maximum: 70 °C.
Storage temperature	–40–+85	°C	Minimum: -40 °C. Maximum: 85 °C.

Mechanical specifications

Parameter	Value	Unit
RF input connector	SMA-K — Female	-
RF and DC output connector	SMA-K — Female; RF and DC output	-
DC input interface	DC supply interface	-

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.