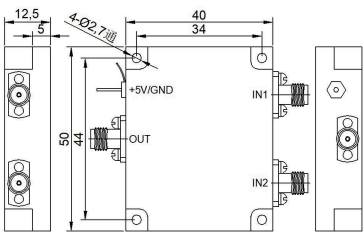


6–9 GHz SPDT Switch Module with Two Bias Tees

Three independent SPDT switches and two bias tees operate across 6–9 GHz. Insertion loss is 2.5 dB typical, isolation 40 dB typical and switching time 200 ns typical.



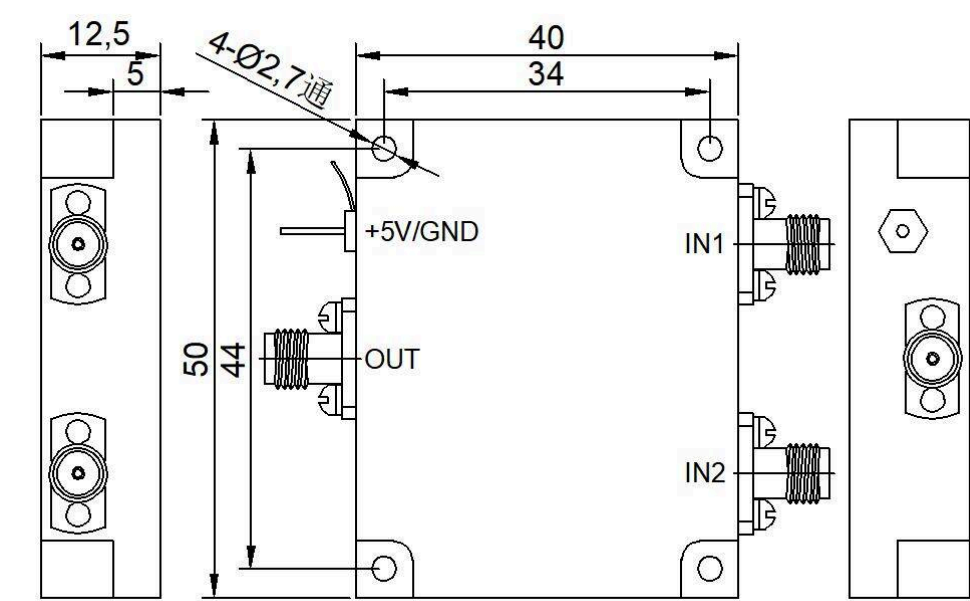
Electrical specifications

Parameter	Value	Unit	Notes
Frequency range	6000–9000	MHz	Minimum: 6000 MHz. Maximum: 9000 MHz.
Number of independent switches	3	-	-
Switch type	SPDT	-	-
Number of bias tees	2	-	-
Insertion loss	2.5	dB	Typical: 2.5 dB.
Isolation	40	dB	Typical: 40 dB.
Switching speed	200	ns	Typical: 200 ns.
Input/output VSWR	1.5	-	Typical: 1.5.
Supply voltage	+5	VDC	Typical: 5 VDC.
Current capability per port	120	mA	Typical: 120 mA.
Operating temperature	–40–+80	°C	Minimum: –40 °C. Maximum: 80 °C.
Storage temperature	–55–+125	°C	Minimum: –55 °C. Maximum: 125 °C.

Mechanical specifications

Parameter	Value	Unit
Dimensions	50 × 40 × 12.5	mm
Weight	≤125 (Maximum: 125 g.)	g

Mechanical Outline



All dimensions are in mm [in].

Interfaces and contacts

Parameter	Value	Unit
RF inputs — IN1	SMA-K	-
RF inputs — IN2	SMA-K	-
RF output — OUT	SMA-K	-

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.