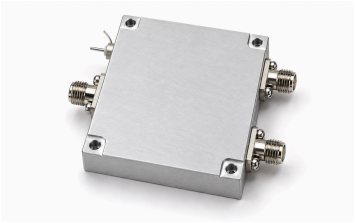
6–9 GHz SPDT Switch Module with Two Bias Tees

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.



Current capability is 120 mA per port typical, with +5 VDC typical supply. SMA-K ports are IN1, IN2 and OUT; dimensions are 50 × 40 × 12.5 mm and weight ≤125 g.

Electrical specifications

Parameter	Value	Unit
Frequency range	6000–9000	MHz
Number of independent switches	3	-
Switch type	SPDT	-
Number of bias tees	2	-
Insertion loss	2.5 (Typical)	dB
Isolation	40 (Typical)	dB
Switching speed	200 (Typical)	ns
Input/output VSWR	1.5 (Typical)	-
Supply voltage [1]	+5	VDC
Current capability per port	120 (Typical)	mA
Operating temperature [2]	−40–+80	°C
Storage temperature [3]	−55–+125	°C

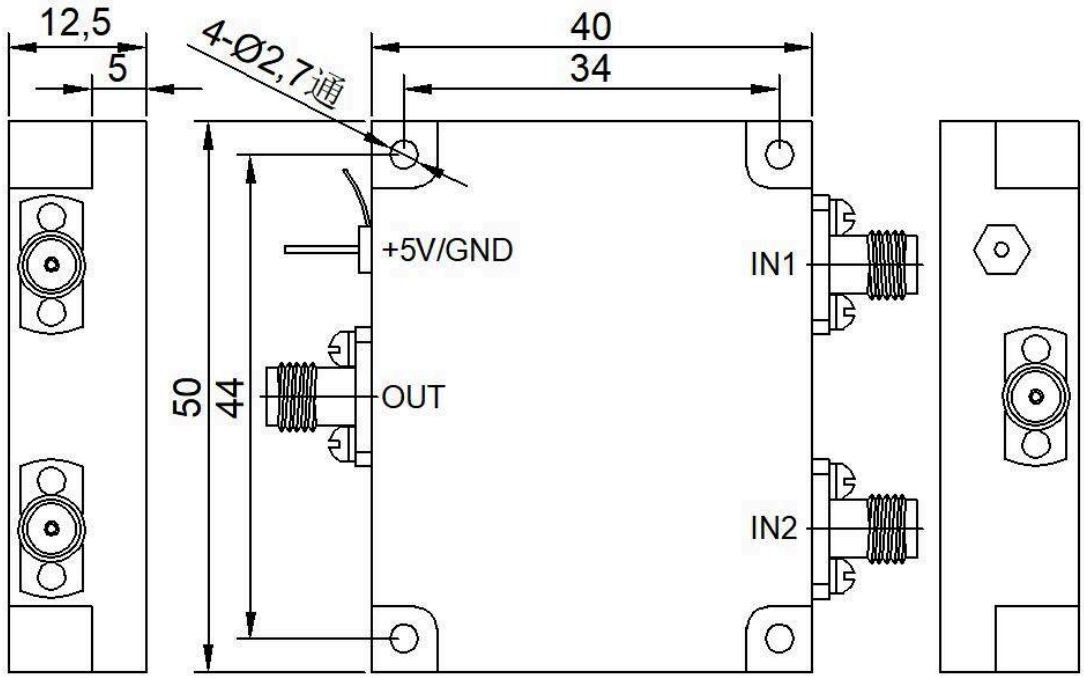
[1] Typical: 5 VDC.
[2] Maximum: 80 °C.
[3] Maximum: 125 °C.

Interfaces and contacts

Interface	Specification
RF inputs — IN1	SMA-K
RF inputs — IN2	SMA-K
RF output — OUT	SMA-K

Mechanical specifications

Parameter	Value	Unit
Dimensions	50 × 40 × 12.5	mm
Weight	≤125	g



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.