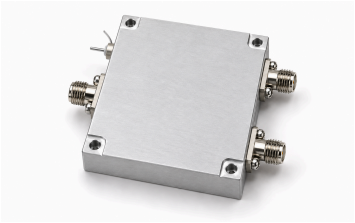
400–6000 MHz SPDT Switch Module with Two Bias Tees

The module combines three independent SPDT switches and two bias tees over 400–6000 MHz. Insertion loss is 2 dB typical, isolation 45 dB typical and switching time 200 ns typical.

Supply is +5 VDC typical; current capability is 250 mA per port typical. Dimensions are 50 × 40 × 12.5 mm and weight ≤125 g, with SMA-K IN1, IN2 and OUT interfaces.



Electrical specifications

Parameter	Value	Unit
Frequency range	400–6000	MHz
Number of independent switches	3	-
Switch type	SPDT	-
Number of bias tees	2	-
Insertion loss	2 (Typical)	dB
Isolation	45 (Typical)	dB
Switching speed	200 (Typical)	ns
Input/output VSWR	1.5 (Typical)	-
Supply voltage [1]	+5	VDC
Current capability per port	250 (Typical)	mA
Operating temperature [2]	−40–+80	°C
Storage temperature [3]	−55–+125	°C

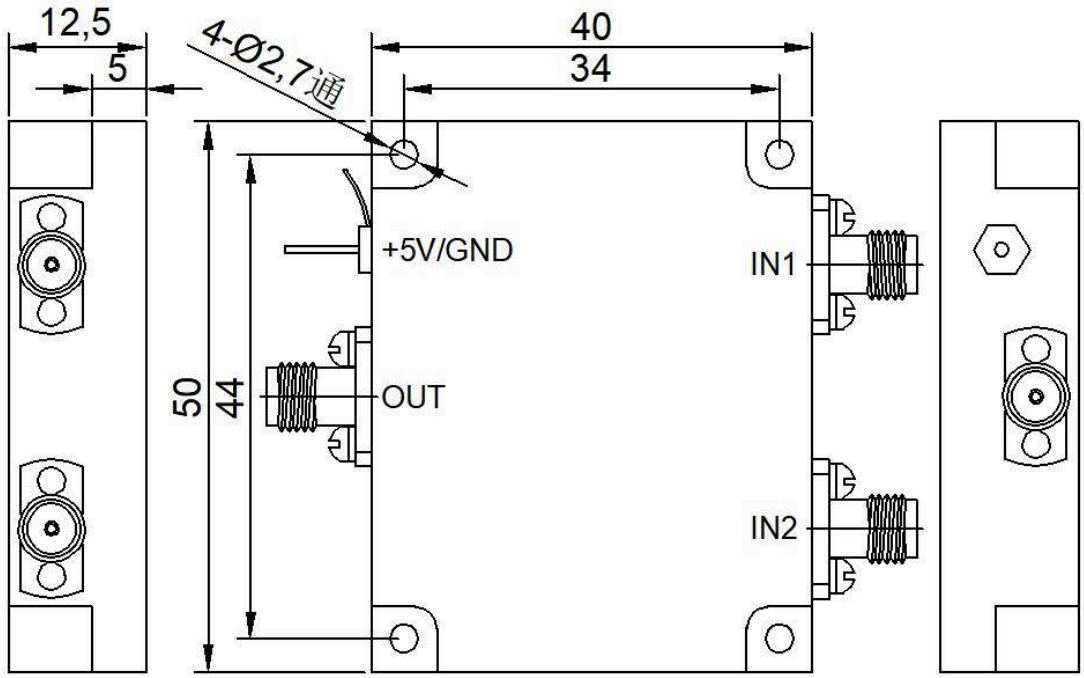
[1] Typical: 5 VDC.
[2] Maximum: 80 °C.
[3] Maximum: 125 °C.

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.