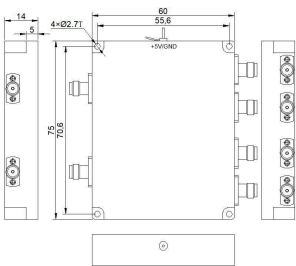


5150–5250 MHz Two-Input Four-Output LNA

Amplified input combining with four output branches in a 75 × 60 × 14 mm module.



Electrical specifications

Parameter	Value	Unit	Notes
Operating frequency	5150–5250	MHz	-
Gain	25	dB	Typical: 25 dB.
Noise figure	1 / 1.2	dB	Typical: 1 dB. Maximum: 1.2 dB.
Saturated output power (Psat)	5	dBm	Saturated output (Psat), not P1dB or guaranteed linear output. Typical: 5 dBm.
Input S11 (signed source value)	−10	dB	Negative S11 convention retained from source; not recast as positive return loss. Typical: -10 dB.
Supply voltage	5	VDC	Typical: 5 VDC.
Dynamic current	200	mA	Typical: 200 mA.

Absolute maximum ratings

Parameter	Value	Unit
Absolute maximum supply voltage	≤7 (Absolute maximum rating; continuous operation or performance at this limit is not established. Maximum: 7 VDC.)	VDC
Absolute maximum input power	≤12 (Absolute maximum rating; continuous operation or performance at this limit is not established. Maximum: 12 dBm.)	dBm
Operating temperature	−40–+70	°C
Storage temperature	−40–+85	°C

Interfaces and contacts

Parameter	Value	Unit
RF input connector	SMA-K female	-
RF output connector	SMA-K female	-
DC supply interface	Feed-through capacitor	-

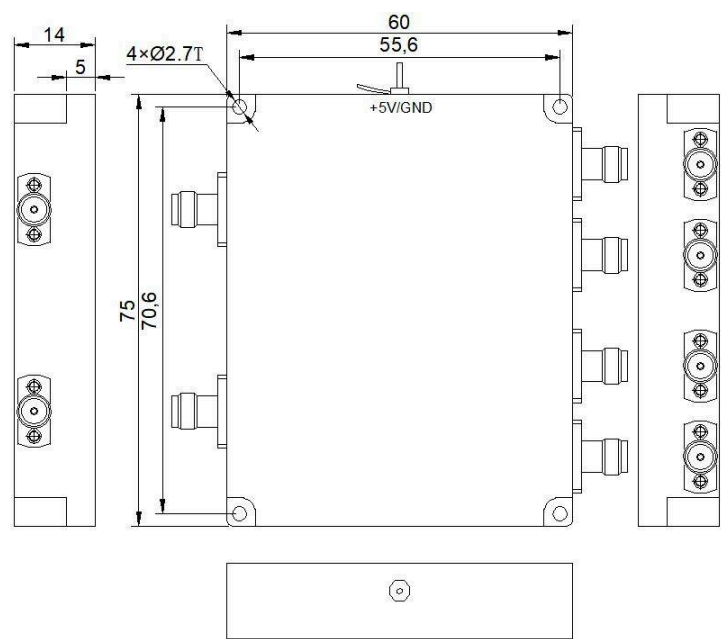
Interfaces and contacts

Parameter	Value	Unit
Ground interface	Grounding metal sheet	-
RF input port count	2	-
RF output port count	4	-
Signal routing	Two amplified inputs combined and distributed to four outputs	-

Mechanical specifications

Parameter	Value	Unit
Body dimensions	75 × 60 × 14	mm
Mounting-hole center spacing	55.6 × 70.6	mm
Mounting holes	4 × Ø2.7T (The original drawing marks T; hole construction is not expanded.)	mm

Mechanical Outline



All dimensions are in mm [in].

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.