ATEK MIDAS

Golden Touch on IC

User Guide
EVB-ATEK253N3-02

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ATEK MİKRODALGA A.Ş.
www.atekmidas.com
+90 212 483 71 67

Çifte Havuzlar Mah. Eski Londra Asfaltı Cad.
Kuluçka Mrk. B1 Blok Kapı 151/1D/213
34220 Esenler/İstanbul

Revisions

Revision No	Revision Date	Revision Reason	Section / Page No
1.0		Initial Version	
1.1	06.07.2021	Plots Updated	5/5

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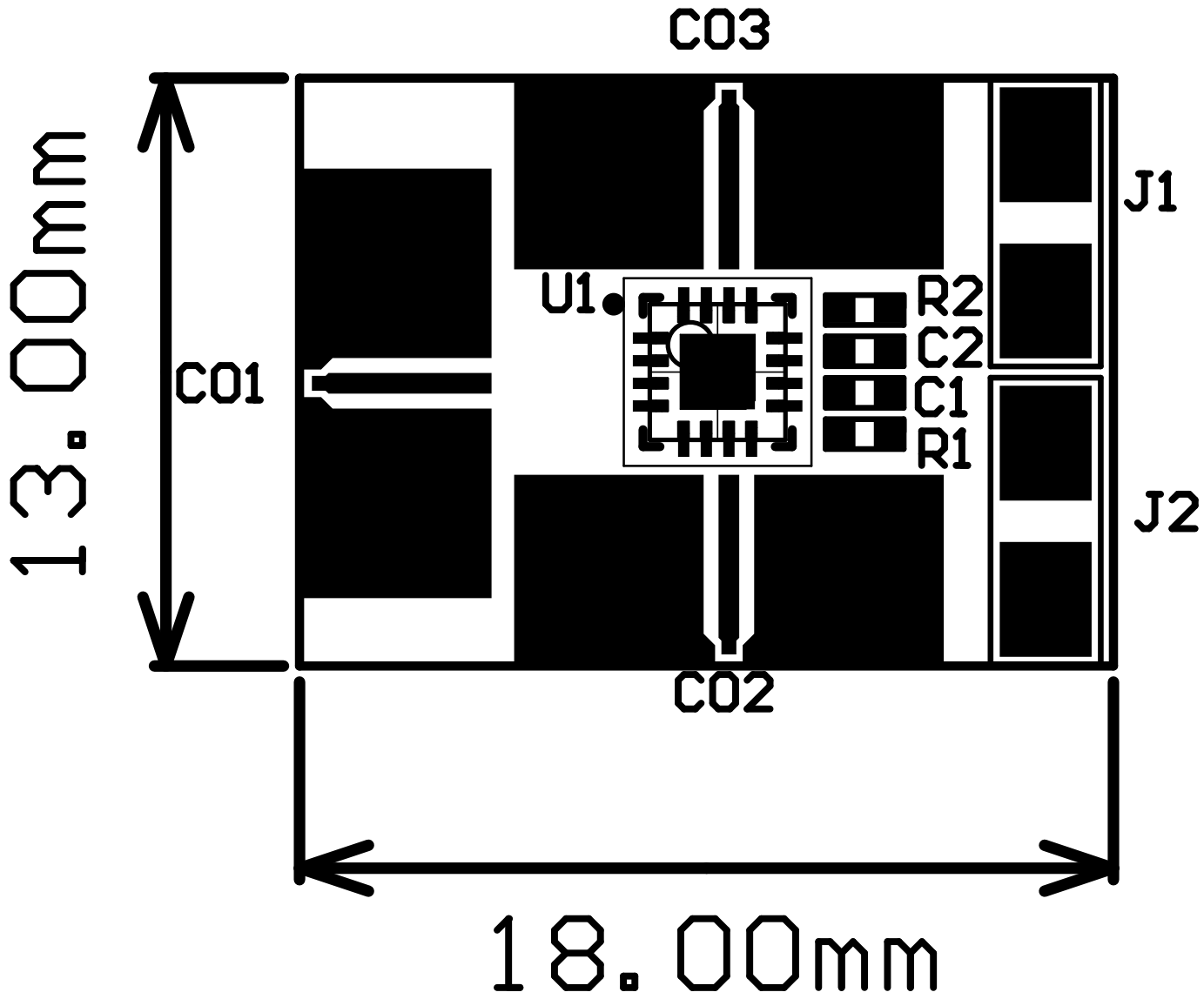
1 GENERAL INFORMATION



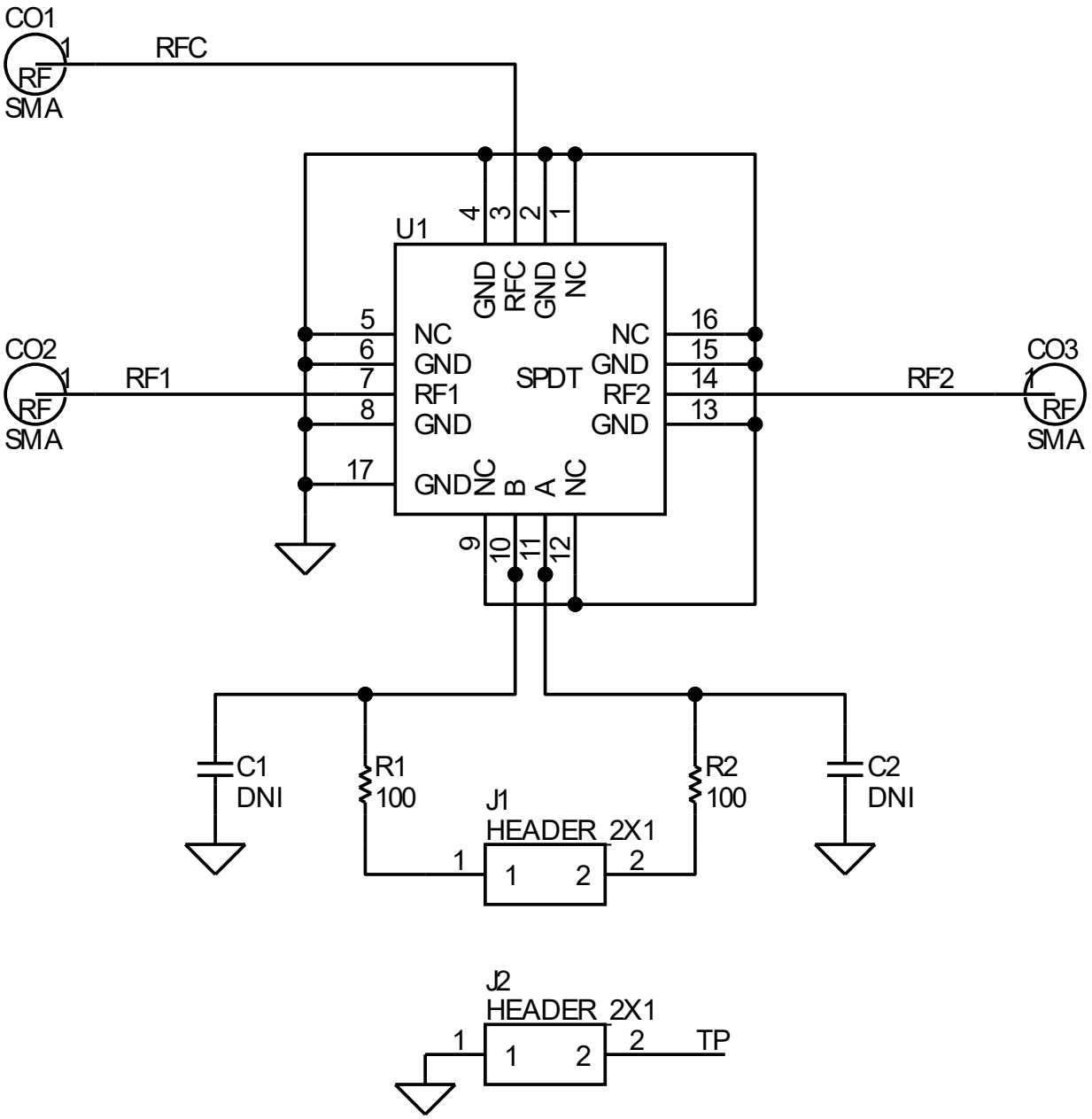
PIN Name	Definition	Comment
CO1	RF IN	K Connector
CO2, CO3	RF OUT	K Connector
J1 Up	CTRL A	2.54mm Header
J1 Down	CTRL B	2.54mm Header
J2 Up	N/A	2.54mm Header
J2 Down	GND	2.54mm Header

Notes:

1. VDD Voltage details are given in the Datasheet.
2. Control Voltage details are given in Datasheet.
3. The definition of up, down, right, and left is valid for this view of PCB.

2 DESIGN INFORMATION

2.1 SCHEMATIC



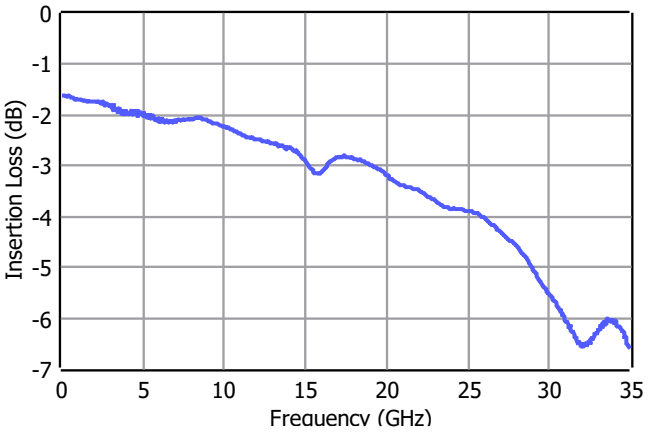
2.2 BOM

Designator	Footprint	Qty	Comment	PN
C1, C2	0402	2	100pF	
CO1, CO2, CO3	K Connector	3	K Connector	ATEK9292
J1, J2	HEADER_2X1_V2_wo_via	2	0.1uF	
R1, R2	0402	2	0R	
U1	ATEKQ3316	1	SPDT	ATEK253 N47

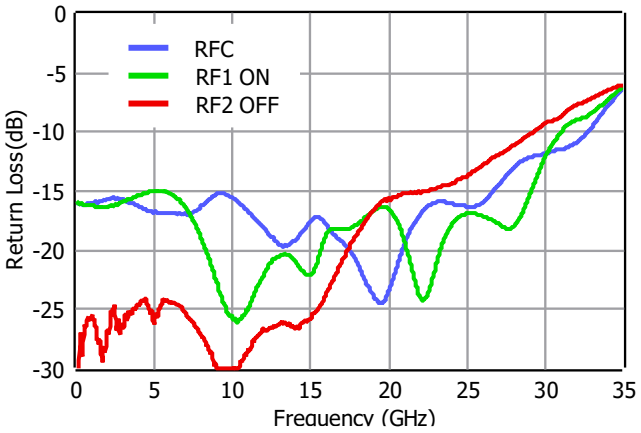
3 TYPICAL PERFORMANCE PLOTS

Conditions unless otherwise specified: V_{CTRL} =0/-5 V, T = 25 C, CW. For details, please refer to the datasheet.

Insertion Loss



Return Loss



Isolation from RFC to RF2