



User Guide

EVB-ATEK353N4-01

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Revisions

Revision No	Revision Date	Revision Reason	Section / Page No
1.0	03.08.2021	Initial Version	

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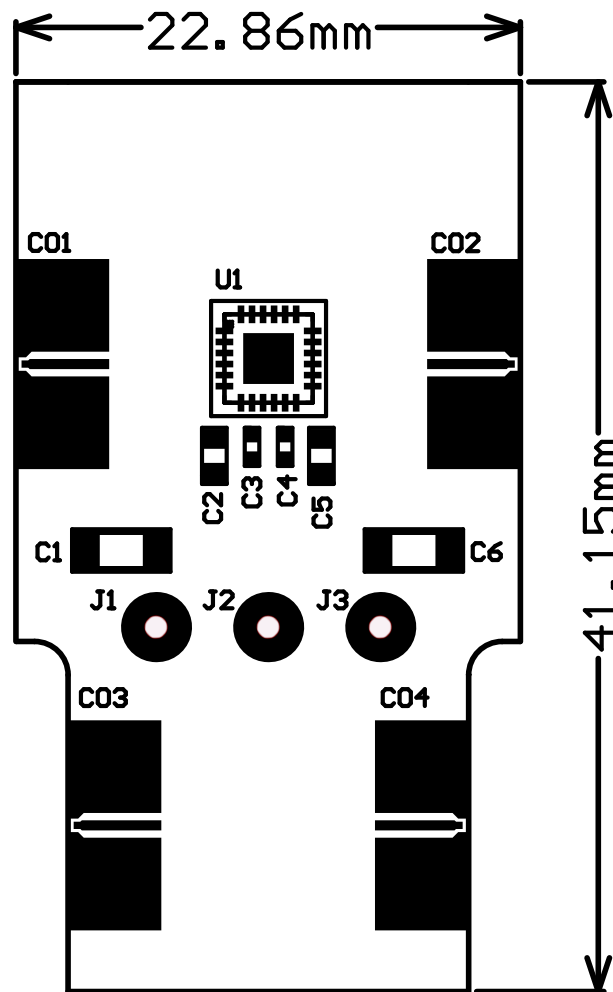
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1 GENERAL INFORMATION



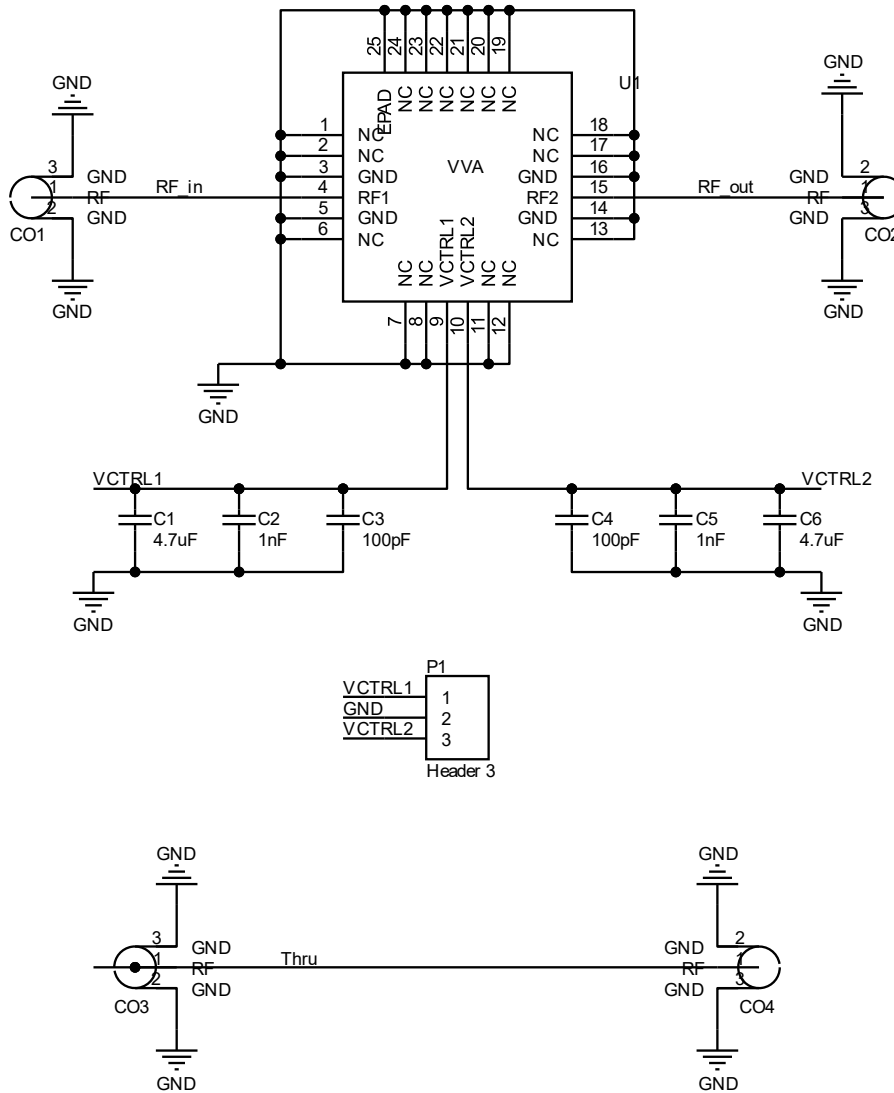
PIN Name	Definition	Comment
CO1	RF IN	K Connector
CO2	RF OUT	K Connector
CO3, CO4	Thru Line	K Connector
J1	VCTRL1	2.54mm Header
J2	GND	2.54mm Header
J3	VCTRL2	2.54mm Header

Notes:

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

2 DESIGN INFORMATION

2.1 SCHEMATIC



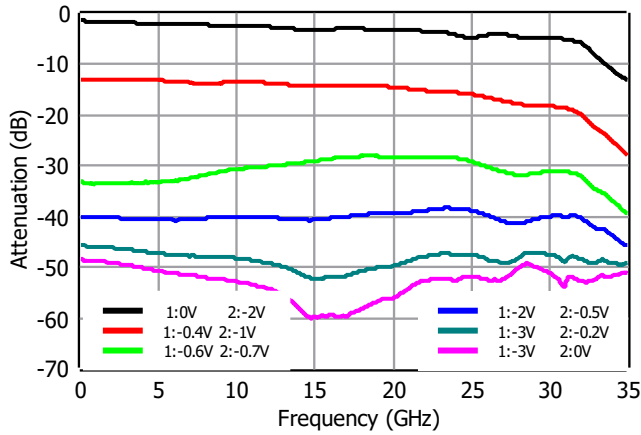
2.2 BOM

Designator	Footprint	Qty	Comment	PN
C1, C6	0402	2	DNP	
C2, C5	0402	2	DNP	
C3,C4	0402	2	DNP	
CO1, CO2, CO3, CO4	K Connector	4	K Connector	
J1, J2, J3	HEADER_1X1	3	HEADER_1X1	
U1	ATEKQ4424	1	VVA	ATEK353 N45

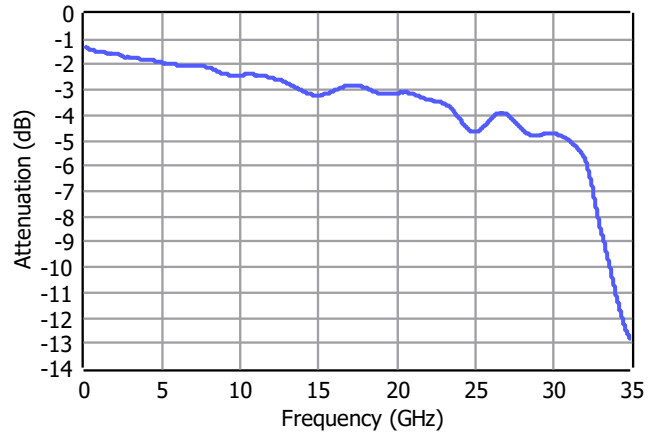
3 TYPICAL PERFORMANCE PLOTS

Conditions unless otherwise specified: V_{CTRL} , $T = 25\text{ C}$, CW. For details, please refer to the datasheet.

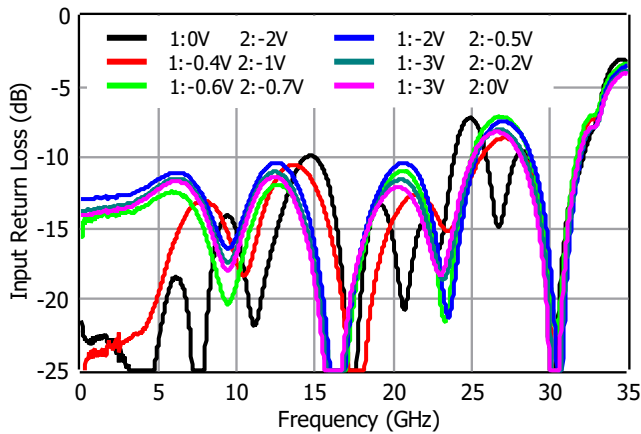
Attenuation vs. Vctrl



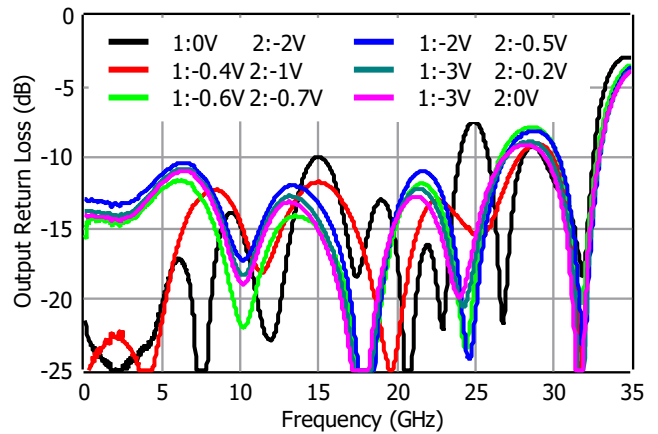
Insertion Loss vs. Vctrl



Input Return Loss vs. Vctrl



Output Return Loss vs. Vctrl



Attenuation Range vs. Frequency

