

FEATURES

- Small Size
- High Accuracy
- High Stability

APPLICATIONS

- Laboratory Test and Measurement
- Wireless Communication



Electrical Specifications

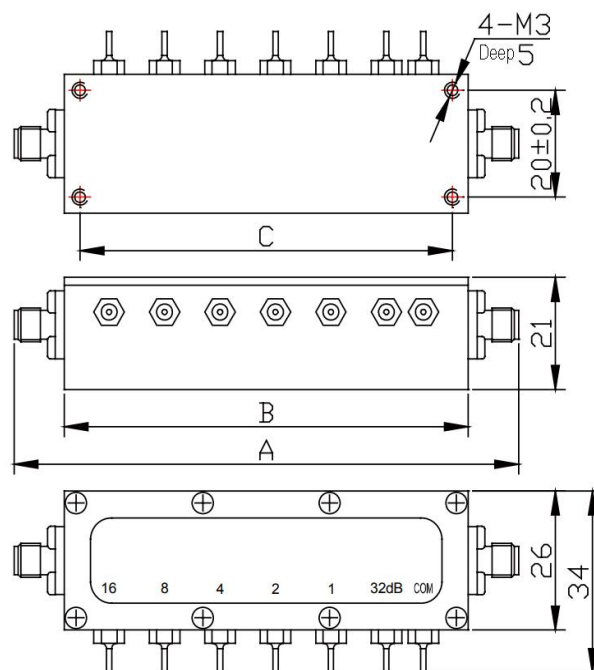
Frequency Range	DC~1GHz
Impedance	50Ω nominal
Attenuation Range	0~64.5dB in 0.1dB steps
Attenuation Steps(dB)	0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 32
Switching Time	6ms
VSWR	1.3 max
Accuracy	±0.4dB@Attn≤10dB ±1.2dB@16/20/32dB
Insertion Loss	3.5dB max
Average Power	2W
Operating Voltage	+5V
Operating Current	100mA/Cell, 50mA/Cell
Temperature Range	-55°C~+70°C
RoHS Status	RoHS Compliant

Mechanical Specifications

RF Connector	SMA female
Connector Body	Gold Plated Brass
Female Pin	Gold Plated Beryllium Cooper
Housing	Aluminum, Nickel
Weight	160g

◇ Test Data is available at an additional cost ◇

Dimensions [mm]



A	137.5
B	118.5
C	112.5

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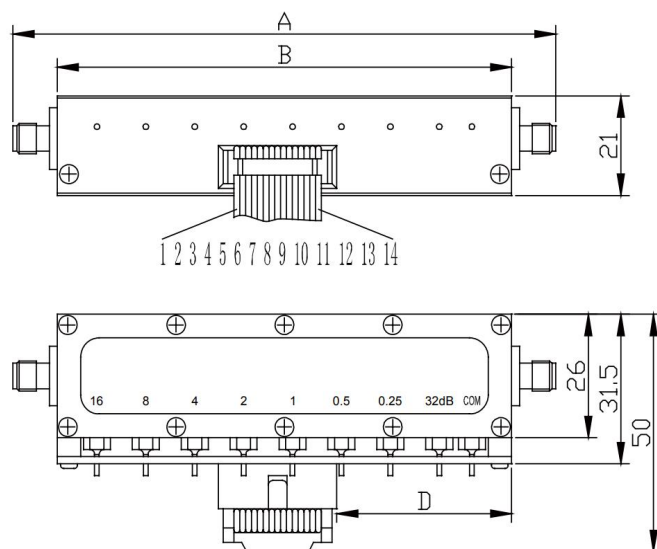
Electrical Specifications

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Impedance	50Ω nominal
Attenuation Range	0~64.5dB in 0.1dB steps
Attenuation Steps(dB)	0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 32
Switching Time	6ms
VSWR	1.3 max
Accuracy	±0.4dB@Attn≤10dB ±1.2dB@16/20/32dB
Insertion Loss	3.5dB max
Average Power	2W
Control Voltage	+5V
Control Current	100mA/Cell, 50mA/Cell
Driver Voltage	2.7V~5V
Driver Current	15mA min/Cell
Temperature Range	-55°C~+70°C
RoHS Status	RoHS Compliant

Mechanical Specifications

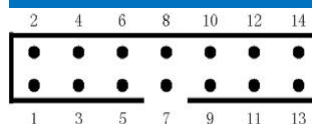
RF Connector	SMA female
Control Connector	14 PIN Ribbon Cable
Connector Body	Gold Plated Brass
Female Pin	Gold Plated Beryllium Cooper
Housing	Aluminum, Nickel
Weight	180g

Dimensions [mm]



A	137.5
B	118.5
D	37.5

Control Connector PIN Locations



PIN No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
dB, 10 Cells	16	32	8	N	COM	V+	N	0.8	0.4	1	0.2	2	4	0.1

◇ N: Not Connected, COM: 0V, V+: Operating Voltage ◇

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Attenuation Steps(dB)	0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 32
Switching Time	6ms
VSWR	1.3 max
Accuracy	±0.4dB@Attn≤10dB ±1.2dB@16/20/32dB
Insertion Loss	3.5dB max
Average Power	2W
Voltage	AC~220V/5V
Temperature Range	-55°C~+70°C
RoHS Status	RoHS Compliant

Mechanical Specifications

RF Connector	SMA female
Control Connector	RS-232
Connector Body	Gold Plated Brass
Female Pin	Gold Plated Beryllium Cooper
Housing	Aluminum, Anodic Oxidation
Size	137.5×66×23mm
Weight	220g

◇ Test Data is available at an additional cost ◇

Dimensions [mm]

