2WPA3-5-31-SF

Programmable Attenuator, DC~3GHz 31dB/1dB, 5 Cells, 2W

FEATURES

- Small Size
- High Accuracy
- High Stability

APPLICATIONS

- Laboratory Test and Measurement
- Wireless Communication



Electrical Specifications

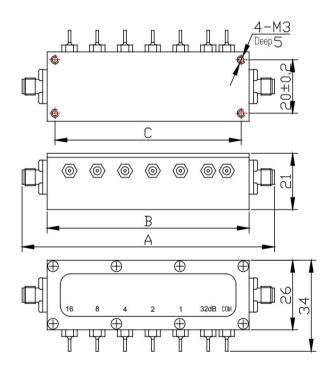
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|--------|---|---|--|--|--|
| F | requency Range | DC~3GHz | | | |
| l | mpedance | 50Ω nominal | | | |
| F | Attenuation Range | 0~31dB in 1dB steps | | | |
| F | Attenuation Steps(dB) | 1, 2, 4, 8, 16 | | | |
| 5 | Switching Time | 6ms | | | |
| \ | /SWR | 1.45 max | | | |
| F | Accuracy | ±0.8dB@Attn≤10dB | | | |
| | | ±1.2dB@16/20/32dB | | | |
| I | nsertion Loss | 3.2dB max | | | |
| F | Average Power | 2W | | | |
| (| Operating Voltage | +5V | | | |
| (| Operating Current | 100mA/Cell, 50mA/Cell | | | |
| 1 | Temperature Range | -55°C~+70°C | | | |
| F | RoHS Status | RoHS Compliant | | | |
| ((| Operating Voltage Operating Current Femperature Range | +5V 100mA/Cell, 50mA/Cell -55°C~+70°C | | | |

Mechanical Specifications

| RF Connector | SMA female | | |
|----------------|------------------------------|--|--|
| Connector Body | Gold Plated Brass | | |
| Female Pin | Gold Plated Beryllium Cooper | | |
| Housing | Aluminum, Nickel | | |
| Weight | 95g | | |

[♦] Test Data is available at an additional cost

Dimensions[mm]



| Α | 85 |
|---|----|
| В | 66 |
| С | 60 |

Programmable Attenuator, DC~3GHz 31dB/1dB, 5 Cells, 2W, TTL

FEATURES

- Small Size
- High Accuracy
- High Stability

APPLICATIONS

- Laboratory Test and Measurement
- Wireless Communication



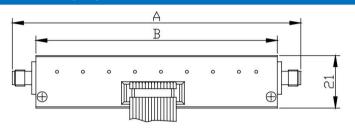
Electrical Specifications

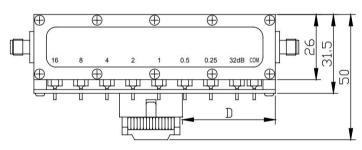
| Electrical Specifications | | | | | |
|---------------------------|---------------------------|--|--|--|--|
| Frequency Range | DC~3GHz | | | | |
| Impedance | 50Ω nominal | | | | |
| Attenuation Range | $0\sim$ 31dB in 1dB steps | | | | |
| Attenuation Steps(dB) | 1, 2, 4, 8, 16 | | | | |
| Switching Time | 6ms | | | | |
| VSWR | 1.45 max | | | | |
| Accuracy | ±0.8dB@Attn≤10dB | | | | |
| | ±1.2dB@16/20/32dB | | | | |
| Insertion Loss | 3.2dB max | | | | |
| Average Power | 2W | | | | |
| Control Voltage | +5V | | | | |
| Control Current | 100mA/Cell, 50mA/Cell | | | | |
| Driver Voltage | 2.5V~5V | | | | |
| Driver Current | 15mA min/Cell | | | | |
| Temperature Range | -55°C∼+70°C | | | | |
| RoHS Status | RoHS Compliant | | | | |

Mechanical Specifications

| RF Connector | SMA female |
|-------------------|------------------------------|
| Control Connector | 10 PIN Ribbon Cable |
| Connector Body | Gold Plated Brass |
| Female Pin | Gold Plated Beryllium Cooper |
| Housing | Aluminum, Nickel |
| Weight | 110g |

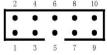
Dimensions[mm]





| Α | 85 |
|---|----|
| В | 66 |
| D | 29 |

Control Connector PIN Locations



| PIN No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------|----|---|-----|---|---|---|---|---|---|----|
| dB, 5 Cells | V+ | 1 | COM | 2 | N | 4 | N | 8 | N | 16 |

♦ N: Not Connected, COM: OV, V+:Operating Voltage

FEATURES

- Small Size
- High Accuracy
- High Stability

APPLICATIONS

- Laboratory Test and Measurement
- Wireless Communication



Electrical Specifications

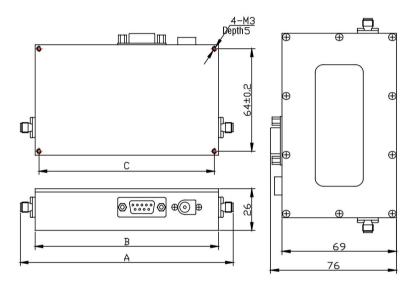
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|-----------------------|---------------------------|--|--|--|--|
| Frequency Range | DC~3GHz | | | | |
| Impedance | 50Ω nominal | | | | |
| Attenuation Range | $0\sim$ 31dB in 1dB steps | | | | |
| Attenuation Steps(dB) | 1, 2, 4, 8, 16 | | | | |
| Switching Time | 6ms | | | | |
| VSWR | 1.45 max | | | | |
| Accuracy | ±0.8dB@Attn≤10dB | | | | |
| | ±1.2dB@16/20/32dB | | | | |
| Insertion Loss | 3.2dB 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 | | | | |
| Weight | 260g | | | | |

[♦] Test Data is available at an additional cost

Dimensions[mm]



| Α | 126 |
|---|-----|
| В | 107 |
| С | 102 |