

FEATURES

- Small Size
- High Accuracy
- High Stability

APPLICATIONS

- Laboratory Test and Measurement
- Wireless Communication



Electrical Specifications

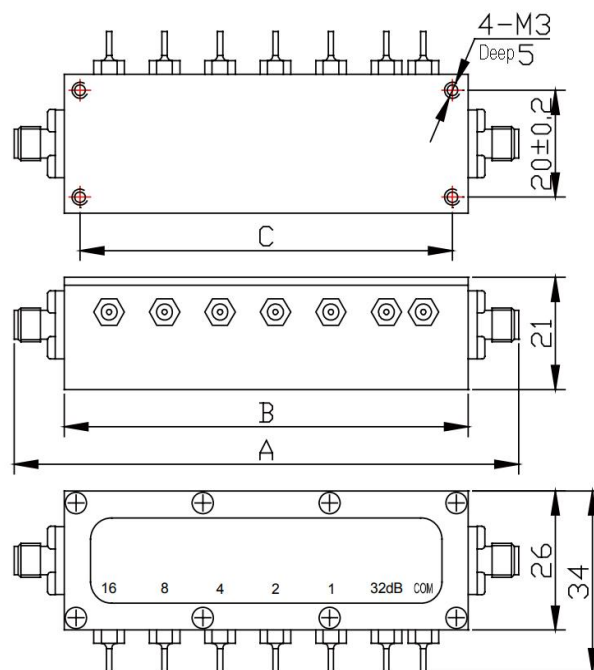
| | |
|-----------------------|--|
| Frequency Range | DC~2GHz |
| Impedance | 50Ω nominal |
| Attenuation Range | 0~127dB in 0.1dB steps |
| Attenuation Steps(dB) | 0.1, 0.2, 0.4, 0.8, 1, 2, 4, 8, 16, 32, 32, 32 |
| Switching Time | 6ms |
| VSWR | 1.6 max |
| Accuracy | ±0.8dB@Attn≤10dB ±1.5dB@16/20/32dB |
| Insertion Loss | 6.0dB 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 | 190g |

◇ Test Data is available at an additional cost ◇

Dimensions [mm]



| | |
|---|-------|
| A | 158.5 |
| B | 139.5 |
| C | 133.5 |

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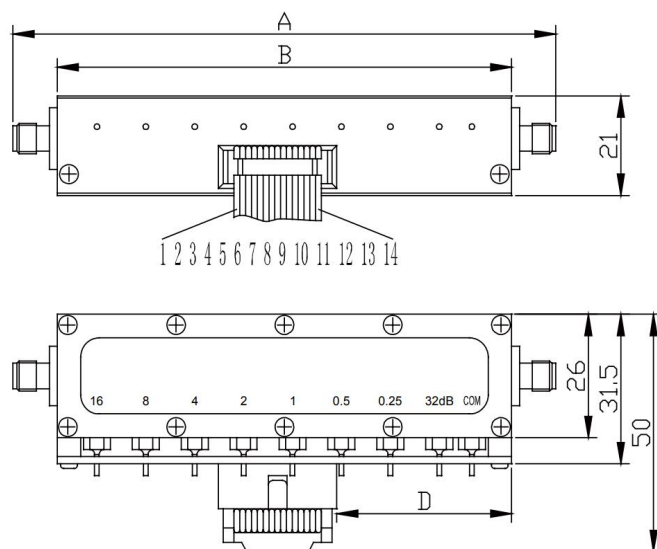
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| Switching Time | 6ms |
| VSWR | 1.6 max |
| Accuracy | ±0.8dB@Attn≤10dB ±1.5dB@16/20/32dB |
| Insertion Loss | 6.0dB max |
| Average Power | 2W |
| Control Voltage | +5V |
| Control Current | 100mA/Cell, 50mA/Cell |
| Driver Voltage | 2.7V~5V |
| 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 | 210g |

Dimensions[mm]



| | |
|---|-------|
| A | 158.5 |
| B | 139.5 |
| D | 37.5 |

Control Connector PIN Locations

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

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

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| Switching Time | 6ms |
| VSWR | 1.6 max |
| Accuracy | ±0.8dB@Attn≤10dB ±1.5dB@16/20/32dB |
| Insertion Loss | 6.0dB 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 | 158.5×66×23mm |
| Weight | 250g |

◇ Test Data is available at an additional cost ◇

Dimensions[mm]

