

ANALOG PHASE SHIFTER

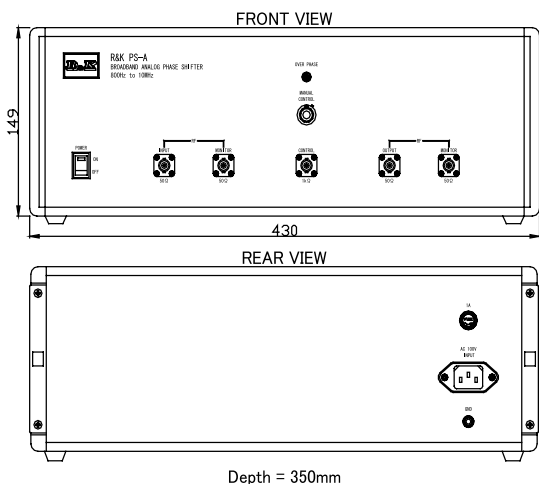


R&K-PS-A-0B



OUTLINE DRAWING

※ IN MILLIMETERS



- Frequency Range : 800Hz ~ 10MHz
- Insertion Loss : 0dB (typ.)
- Phase Shift Range : 0 ~ 360°
- 19inch Rack Size Mounting
- RoHS Compliance

SPECIFICATIONS

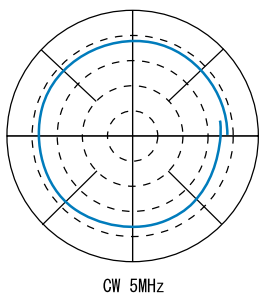
| | |
|---------------------------------|--------------------------|
| Frequency Range | : 800Hz - 10MHz |
| Frequency Flatness | : ±1.5dB (max.) |
| Phase Shift Range | : 0 ~ 360° (min.) |
| Phase Stability | : 3° (Peak max)Fix Temp. |
| Phase Control Voltage ;Internal | : Front Panel Volume |
| ;External | : 0 ~ +12V / 1kΩ |
| | : DC - 100kHz (min.) |
| Phase Control Linearity | : 15% (typ.) |
| Insertion Loss | : 0dB (typ.) |
| Maximum RF Input Power | : +10dBm (max.) |
| Impedance | : 50Ω |
| In / Out VSWR | : 2.0:1 (typ.) |
| Input I.C.P. | : +17dBm (typ.) |
| Operating Temperature | : 0°C to +40°C |
| Storage Temperature | : -20°C to +80°C |
| Connectors (Standard) | : BNC-FEMALE |
| Connectors (Option) | : SMA-FEMALE |
| | : N-FEMALE |
| Other Function | : In/Out Monitor -20dB |
| | : Over Phase LED |
| AC Supply Input | : AC100V 50/60Hz |
| | : 2A (max.) |
| Weight (SMA Connector) | : 12kg (typ.) |

HOW TO ORDER

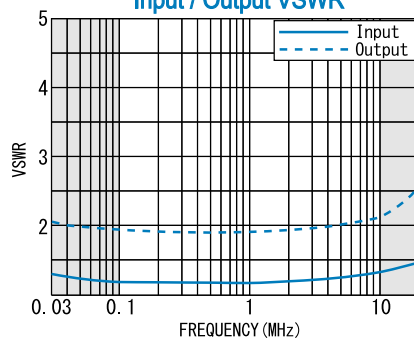
| | |
|-------------|------------------------|
| Model Name | B = BNC - FEMALE |
| R&K-PS-A-0B | S = SMA - FEMALE |
| | N = N - FEMALE |
| | 0 = Standard |
| | 1 = Rack Mount Bracket |

TYPICAL PERFORMANCE (Temp @+25°C)

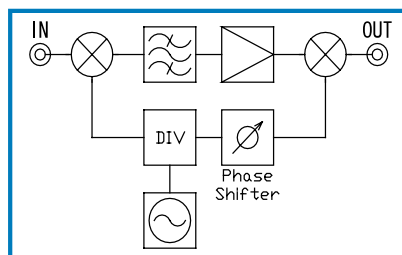
Phase Characteristic



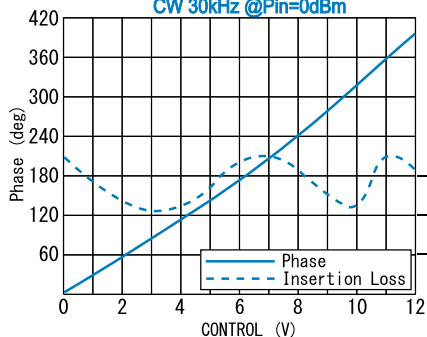
Input / Output VSWR



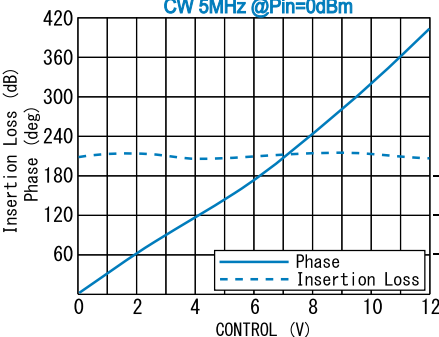
SCHEMATIC



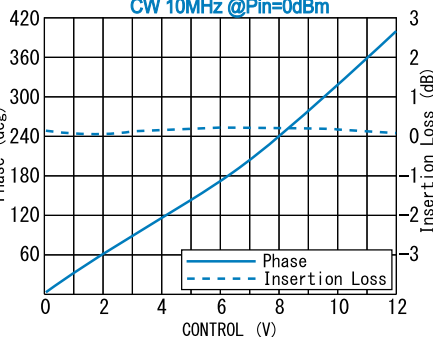
Control vs Loss & Phase CW 30kHz @Pin=0dBm



Control vs Loss & Phase CW 5MHz @Pin=0dBm



Control vs Loss & Phase CW 10MHz @Pin=0dBm



R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

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